

Xenoy* Resin 2735

Americas: COMMERCIAL

Unreinforced PC+PET alloy. Excellent low temperature/good chemical resistance and good elevated temperature performance.

Property

Fansile Stress, yld, Type I, 50 mm/min54MPaASTM D 638ensile Strain, brk, Type I, 50 mm/min, 50 mm span110%ASTM D 638ilexural Stress, yld, 1.3 mm/min, 50 mm span2130MPaASTM D 790ilexural Modulus, 1.3 mm/min, 50 mm span2130MPaASTM D 790 MPACT ValueUnitStandardzod Impact, notched, 23°C747J/mASTM D 256zod Impact, notched, -30°C299J/mASTM D 256zod Impact, notched, -40°C299J/mASTM D 266nstrumented Impact Energy @ peak, 23°C54JASTM D 3763nstrumented Impact Energy @ peak, -3061JASTM D 3763rHERMALValueUnitStandardDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DT, 0.45 MPa, 6.4 mm, unannealed112°CASTM D 648DT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DT, 0.45 MPa, 6.4 mm, unannealed129°CUnitStandardRelative Temp Index, Kleck w/mpact75°CUL 746BRelative Temp Index, Mech w/mpact75°CUL 746BValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Gravity0.16%ASTM D 702Specific Gravity0.16%SABIC Method	TYPICAL PROPERTIES ⁽¹⁾			
Institute110%ASTM D 638Iexural Stress, yld, 1.3 mm/min, 50 mm span86MPaASTM D 790MPACT2130MPaASTM D 790Idexatal Modulus, 1.3 mm/min, 50 mm span2130MPaASTM D 790MPACTValueUnitStandardcod Impact, notched, 23°C747J/mASTM D 256cod Impact, notched, -30°C464J/mASTM D 256cod Impact, notched, -40°C299J/mASTM D 256cod Impact, notched, -40°C54JASTM D 256cod Impact, notched, -40°C54JASTM D 3763rstrumented Impact Energy @ peak, -3061JASTM D 3763THERMALValueUnitStandard1DT, 0.45 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6481TE, -40°C to 95°C, flow9.18E-051/°CASTM D 6482TE, -40°C to 95°C, xflow9.18E-051/°CASTM D 8312TE, -40°C to 95°C, xflow9.18E-051/°CASTM D 792Vater Machander75°CUL 746BPHYSICALValueUnitStandardopecific Gravity1.21-ASTM D 792Alert Ne Sorption, 24 hours0.16%ASTM D 792Alert Absorption, 24 hours0.16%ASTM D 792Alert Absorption, 24 hours0.16%ASTM D 792Alert Absorption, 24 hours0.16%ASTM D 792Alert	MECHANICAL	Value	Unit	Standard
Revaral Stress, yld, 1.3 mm/min, 50 mm span86MPaASTM D 790Piexural Modulus, 1.3 mm/min, 50 mm span2130MPaASTM D 790MPACTValueUnitStandardzod Impact, notched, 23°C747J/mASTM D 256zod Impact, notched, -30°C464J/mASTM D 256zod Impact, notched, -40°C299J/mASTM D 256sol Impact, notched, -40°C299J/mASTM D 256snstrumented Impact Energy @ peak, 23°C54JASTM D 3763HERMALValueUnitStandard4DT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 6484DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6484DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6484DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 4.0°C to 95°C, flow9.18E-051/°CASTM D 6481DT, 4.4°C to 95°C, flow9.18E-051/°CASTM D 6482TE, -40°C to 95°C, flow9.18E-051/°CASTM D 792Stealtive Temp Index, Mech w/impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity0.16%ASTM D 792Specific Gravity0.16%ASTM D 570Add Shrinkage, flow, 3.2 mm0.5-0.8%SABIC MethodAdd Shrinkage, flow, 3.2 mm0.5-0.8%SABIC MethodAdd Shrinkage, flow, 3.2 mm0.5-0.8%SABIC MethodAdd Shrinka	Tensile Stress, yld, Type I, 50 mm/min	54	MPa	ASTM D 638
Prescription 2130 MPa ASTM D 790 MPACT Value Unit Standard cod Impact, notched, 23°C 747 J/m ASTM D 256 zod Impact, notched, -30°C 464 J/m ASTM D 256 zod Impact, notched, -40°C 299 J/m ASTM D 256 nstrumented Impact Energy @ peak, 23°C 54 J ASTM D 3763 rHERMAL Value Unit Standard DT, 0.45 MPa, 6.4 mm, unannealed 129 °C ASTM D 648 DT, 0.45 MPa, 6.4 mm, unannealed 112 °C ASTM D 648 DT, 0.45 MPa, 6.4 mm, unannealed 112 °C ASTM D 648 DT, 0.45 MPa, 6.4 mm, unannealed 112 °C ASTM D 648 DT, 0.45 MPa, 6.4 mm, unannealed 112 °C ASTM D 648 DT, 0.45 MPa, 6.4 mm, unannealed 112 °C ASTM D 648 DT, 4.40°C to 95°C, flow 9.18E-05 1/°C ASTM D 648 DTE, -40°C to 95°C, flow 9.18E-05 1/°C UL 746B Relative Temp Index, Mech w/impact 75 °C UL 746B Relative Temp Index, Mech w/ispact 0.16 % ASTM D 792 Specific Volume 0.83 cm³/g ASTM D 792	Tensile Strain, brk, Type I, 50 mm/min	110	%	ASTM D 638
MPACTValueUnitStandardzod Impact, notched, 23°C747J/mASTM D 256zod Impact, notched, -30°C464J/mASTM D 256zod Impact, notched, -40°C299J/mASTM D 256snstrumented Impact Energy @ peak, 23°C54JASTM D 3763rhterMALValueUnitStandardDD, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DTE, -40°C to 95°C, flow9.E-051/°CASTM E 831CTE, -40°C to 95°C, flow9.18E-051/°CASTM E 831STE, -40°C to 95°C, flow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BVelve Temp Index, Mech w/impact75°CUL 746BVHYSICALValueUnitStandardspecific Gravity1.21-ASTM D 792Specific Gravity1.21-ASTM D 792Vater Absorption, 24 hours0.16%ASTM D 792Vater Absorption, 24 hours0.16%ASTM D 792Add Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC Methodtruer Resistance, Tungsten (PLC)6PLC CodeUL 746Atigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746Atigh Ampere Arc Ign, surface (PLC)	Flexural Stress, yld, 1.3 mm/min, 50 mm span	86	MPa	ASTM D 790
zod Impact, notched, 23°C747J/mASTM D 256zod Impact, notched, -30°C464J/mASTM D 256zod Impact, notched, -40°C299J/mASTM D 256nstrumented Impact Energy @ peak, 23°C54JASTM D 3763nstrumented Impact Energy @ peak, -3061JASTM D 3763 FHERMAL ValueUnitStandardDDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648DT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM E 831DTE, -40°C to 95°C, flow9.18E-051/°CASTM E 831TE, -40°C to 95°C, flow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Vater Absorption, 24 hours0.16%ASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Add Shrinkage, flow, 3.2 mm0.5-0.8%SABIC MethodELECTRICALValueUnitStandardVire Resistance, Tungsten (PLC)6PLC CodeUL 746Atigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746Atigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746Atigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746Atigh Ampere A	Flexural Modulus, 1.3 mm/min, 50 mm span	2130	MPa	ASTM D 790
zod Impact, notched, -30°C464J/mASTM D 256zod Impact, notched, -40°C299J/mASTM D 256nstrumented Impact Energy @ peak, 23°C54JASTM D 3763nstrumented Impact Energy @ peak, -3061JASTM D 3763 THERMAL ValueUnitStandardDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 6481DT, 0.45 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 0.45 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 0.45 MPa, 6.4 mm, unannealed9.E-051/°CASTM D 6481DT, 0.45 MPa, 6.4 mm, unannealed9.E-051/°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM D 6481DT, 4.40°C to 95°C, flow9.18E-051/°CASTM D 6482TE, -40°C to 95°C, flow9.18E-051/°CASTM E 8312TE, -40°C to 95°C, flow9.18E-051/°CASTM E 8312TE, 40°C to 95°C, flow9.18E-051/°CASTM E 8312TE, 40°C to 95°C, flow9.18E-051/°CUL 746B2Bative Temp Index, Mech w/impact75°CUL 746B2Bative Temp Index, Mech w/o impact75°CUL 746B2PHYSICALValueUnitStandardAppectific Gravity1.21-ASTM D 792Specific Gravity0.16%SABIC Method2ECTRICALValueUnitStandardvar Absorption, 24 hours0.5 -0.8%SABIC MethodL	ІМРАСТ	Value	Unit	Standard
zod Impact, notched, 40°C299J/mASTM D 256nstrumented Impact Energy @ peak, 3054JASTM D 3763nstrumented Impact Energy @ peak, -3061JASTM D 3763 CHERMAL ValueUnitStandard1DT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM D 6482TE, -40°C to 95°C, flow9.18E-051/°CASTM E 831CTE, -40°C to 95°C, flow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 570Aldd Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten (PLC)6PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)0PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746A<	Izod Impact, notched, 23°C	747	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 33°C54JASTM D 3763Instrumented Impact Energy @ peak, 3061JASTM D 3763IHERMALValueUnitStandardDDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 6481DT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM E 6481DT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM E 8311TE, -40°C to 95°C, flow9.18E-051/°CASTM E 831STE, -40°C to 95°C, vilow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BSteldive Temp Index, Mech w/o impact75°CUL 746BHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 570Alod Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodVater Absorption, 24 hours0.16%ASTM D 570Ald Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodLECTRICALValueUnitStandardAre Resistance, Tungsten (PLC)6PLC CodeASTM D 495Joft Voltage Arc Track Rate (PLC)3PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746ALigh Ampere Arc Ign, surface (PLC)3PLC CodeUL 746AJu Recognized, 94HB Flame Class Rating (3)1.47mm <td>Izod Impact, notched, -30°C</td> <td>464</td> <td>J/m</td> <td>ASTM D 256</td>	Izod Impact, notched, -30°C	464	J/m	ASTM D 256
Instrumented Impact Energy @ peak, -3061JASTM D 3763CHERMALValueUnitStandardIDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648IDT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648IDT, 1.82 MPa, 6.4 mm, unannealed9.E-051/°CASTM D 648IDT, 1.40°C to 95°C, flow9.E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Aold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardAvc Resistance, Tungsten (PLC)2PLC CodeUL 746AIgh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AIgh Am	Izod Impact, notched, -40°C	299	J/m	ASTM D 256
THERMALValueUnitStandardHDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648DTE, -40°C to 95°C, flow9.E-051/°CASTM E 8312TE, -40°C to 95°C, xflow9.18E-051/°CASTM E 8312TE, -40°C to 95°C, xflow9.18E-051/°CASTM E 8312TE, -40°C to 95°C, xflow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BPHYSICALValueUnitStandardspecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Aold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardvarc Resistance, Tungsten {PLC}6PLC CodeASTM D 495dot Wire Ignition {PLC}2PLC CodeUL 746Adigh Angere Arc Ign, surface {PLC}3PLC CodeUL 746Adigh Angere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Instrumented Impact Energy @ peak, 23°C	54	J	ASTM D 3763
HDT, 0.45 MPa, 6.4 mm, unannealed129°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648CTE, -40°C to 95°C, flow9.E-051/°CASTM E 831CTE, -40°C to 95°C, xflow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Aold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Idit Virle Ignition {PLC}2PLC CodeUL 746AVight Appere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Instrumented Impact Energy @ peak, -30	61	J	ASTM D 3763
HDT, 1.82 MPa, 6.4 mm, unannealed112°CASTM D 648CTE, -40°C to 95°C, flow9.E-051/°CASTM E 831CTE, -40°C to 95°C, xflow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 792Alold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodCELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Ato Wite Ignition {PLC}2PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	THERMAL	Value	Unit	Standard
DTE, -40°C to 95°C, flow9.E-051/°CASTM E 831CTE, -40°C to 95°C, xflow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Aold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Hot Wire Ignition {PLC}2PLC CodeUL 746Atigh Ampere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	HDT, 0.45 MPa, 6.4 mm, unannealed	129	°C	ASTM D 648
CTE, -40°C to 95°C, xflow9.18E-051/°CASTM E 831Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Aold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Hot Wire Ignition {PLC}2PLC CodeUL 746Atigh Ampere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	HDT, 1.82 MPa, 6.4 mm, unannealed	112	°C	ASTM D 648
Relative Temp Index, Elec75°CUL 746BRelative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495tot Wire Ignition {PLC}2PLC CodeUL 746Atigh Ampere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746ALAME CHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	CTE, -40°C to 95°C, flow	9.E-05	1/°C	ASTM E 831
Relative Temp Index, Mech w/impact75°CUL 746BRelative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495At Wire Ignition {PLC)2PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746ALAME CHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	CTE, -40°C to 95°C, xflow	9.18E-05	1/°C	ASTM E 831
Relative Temp Index, Mech w/o impact75°CUL 746BPHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Idigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746Aigh Ampere Arc Ign, surface {PLC}3PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AUL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Relative Temp Index, Elec	75	°C	UL 746B
PHYSICALValueUnitStandardSpecific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Adt Wire Ignition {PLC)2PLC CodeUL 746AHigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746AGomparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Relative Temp Index, Mech w/impact	75	°C	UL 746B
Specific Gravity1.21-ASTM D 792Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Adt Wire Ignition {PLC)2PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Relative Temp Index, Mech w/o impact	75	°C	UL 746B
Specific Volume0.83cm³/gASTM D 792Vater Absorption, 24 hours0.16%ASTM D 570Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Arc Resistance, Tungsten {PLC}2PLC CodeUL 746AArc Resistance, Track Rate {PLC}3PLC CodeUL 746AAigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	PHYSICAL	Value	Unit	Standard
Vater Absorption, 24 hours0.16MaxASTM D 570Vater Absorption, 24 hours0.16%ASTM D 570Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Hot Wire Ignition {PLC)2PLC CodeUL 746AHigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AUL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Specific Gravity	1.21	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm0.5 - 0.8%SABIC MethodELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Aot Wire Ignition {PLC)2PLC CodeUL 746AHigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AUL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Specific Volume	0.83	cm³/g	ASTM D 792
ELECTRICALValueUnitStandardArc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Arc Resistance, Tungsten {PLC}2PLC CodeUL 746AArc Index Rate {PLC}3PLC CodeUL 746AArgh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AFLAME CHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Water Absorption, 24 hours	0.16	%	ASTM D 570
Arc Resistance, Tungsten {PLC}6PLC CodeASTM D 495Hot Wire Ignition {PLC}2PLC CodeUL 746AHigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746AFLAME CHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	Mold Shrinkage, flow, 3.2 mm	0.5 - 0.8	%	SABIC Method
Indext Wire Ignition {PLC}2PLC CodeUL 746AHigh Voltage Arc Track Rate {PLC}3PLC CodeUL 746AHigh Ampere Arc Ign, surface {PLC}0PLC CodeUL 746AComparative Tracking Index (UL) {PLC}3PLC CodeUL 746ACHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	ELECTRICAL	Value	Unit	Standard
High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 0 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard JL Recognized, 94HB Flame Class Rating (3) 1.47 mm UL 94	Arc Resistance, Tungsten {PLC}	6	PLC Code	ASTM D 495
High Ampere Arc Ign, surface {PLC} 0 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard JL Recognized, 94HB Flame Class Rating (3) 1.47 mm UL 94	Hot Wire Ignition (PLC)	2	PLC Code	UL 746A
Comparative Tracking Index (UL) {PLC}3PLC CodeUL 746A LAME CHARACTERISTICS ValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	High Voltage Arc Track Rate {PLC}	3	PLC Code	UL 746A
LAME CHARACTERISTICSValueUnitStandardJL Recognized, 94HB Flame Class Rating (3)1.47mmUL 94	High Ampere Arc Ign, surface {PLC}	0	PLC Code	UL 746A
JL Recognized, 94HB Flame Class Rating (3) 1.47 mm UL 94	Comparative Tracking Index (UL) {PLC}	3	PLC Code	UL 746A
	FLAME CHARACTERISTICS	Value	Unit	Standard
CSA (See File for complete listing) LS88480 File No. CSA LISTED	UL Recognized, 94HB Flame Class Rating (3)	1.47	mm	UL 94
	CSA (See File for complete listing)	LS88480	File No.	CSA LISTED

Processing

Parameter		
Injection Molding	Value	Unit
Drying Temperature	110	°C
Drying Time	4 - 6	hrs

Source GMD, last updated:01/05/2000

Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	260 - 280	°C
Nozzle Temperature	255 - 275	°C
Front - Zone 3 Temperature	260 - 280	°C
Middle - Zone 2 Temperature	255 - 275	°C
Rear - Zone 1 Temperature	250 - 270	°C
Mold Temperature	65 - 95	°C
Back Pressure	0.3 - 0.6	MPa
Screw Speed	50 - 80	rpm
Shot to Cylinder Size	50 - 80	%
Vent Depth	0.013 - 0.02	mm
	Source CMD loot up	-l-+

Source GMD, last updated:01/05/2000

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR (LOCAL SALES OFFICE) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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