



Americas: COMMERCIAL

LNP* Colorcomp* Compound JX91550

Also known as: PDX-J-91550 Product Reorder Name: JX91550

LNP COLORCOMP* JX91550 is a compound based on Polyethersulfone resin containing Unfilled Custom Color.

Property

Tensile Stress, yield Tensile Stress, break Tensile Strain, pield Tensile Strain, pield Tensile Strain, pield Tensile Strain, break Tensile Modulus, 50 mm/min Tensile Strain, break Tensile Strain, pield Tensile Strain, break Tensile Modulus, 1 mm/min Tensile Strain, break Tensile Strain, b	TYPICAL PROPERTIES (1)			
Tensile Stress, break Tensile Strain, yield 5.6 % ASTM D 638 Tensile Strain, jueld 5.6 % ASTM D 638 Tensile Strain, jueld 13.5 % ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 790 Tensile Stress, yield 78 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Strain, jueld 6.2 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus, 2920 MPa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Mpa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Mpa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Mpa ISO 180 MPa ISO 527 Tensile Mpa ISO 180 MPa ISO 527 Tensile Modulus 2920 MPa ISO 527 Tensile Mpa ISO 180 MPa ISO 527 Tensile Stress, yield Tensile S	MECHANICAL	Value	Unit	Standard
Tensile Strain, yield 5.6 % ASTM D 638 Tensile Strain, break 13.5 % ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Flexural Stress 122 MPa ASTM D 790 Flexural Modulus 2890 MPa ASTM D 790 Tensile Stress, yield 78 MPa ISO 527 Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 178 Flexural Modulus 2920 MPa ISO 178 IMPACT Value Unit Standard Izod Impact, unnotched, 23°C NB J/m ASTM D 4812 Izod Impact, protched, 23°C 19 J ASTM D 6803 Izod Impact, unnotched, 80°10°4 + 23°C 19 J ASTM D 3763	Tensile Stress, yield	77	MPa	ASTM D 638
Tensile Strain, break 13.5 % ASTM D 638 Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Flexural Stress 122 MPa ASTM D 790 Flexural Modulus 2890 MPa ASTM D 790 Tensile Stress, yield 78 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Strain, jyeld 6.2 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 178 Flexural Modulus 2920 MPa ISO 178 Instrumental Stress 118 MPa ISO 178 IMPACT Value Unit Standard Izod Impact, unnotched, 23°C 53 J/m ASTM D 246 Instrumented Impact Energy @ peak, 23°C 19 J ASTM D 246 I	Tensile Stress, break	58	MPa	ASTM D 638
Tensile Modulus, 50 mm/min 2930 MPa ASTM D 638 Flexural Stress 122 MPa ASTM D 790 Tensile Stress, yield 78 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus 2920 MPa ISO 527 Flexural Stress 118 MPa ISO 178 Flexural Modulus 2920 MPa ISO 178 Interval Modulus 10 MU Int Standard Izod Impact, unnotched, 23°C NB J/m ASTM D 4812 Izod Impact, unnotched, 23°C Int ASTM D 3763 Multiaxial Impact Int	Tensile Strain, yield	5.6	%	ASTM D 638
Flexural Stress 122	Tensile Strain, break	13.5	%	ASTM D 638
Flexural Modulus 2890	Tensile Modulus, 50 mm/min	2930	MPa	ASTM D 638
Tensile Stress, yield 78 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Stress, break 53 MPa ISO 527 Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, preak 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus 1 mm/min 180 ISO 178 Telexural Stress 1118 MPa ISO 178 Telexural Modulus 2920 MPa ISO 180 Telexural Modulus 2920 MPa ISO 294 Telexural Modulus 2920 MPa ISO 180 Telexural Modulus 2920 Telexural Modulus 29	Flexural Stress	122	MPa	ASTM D 790
Tensile Stress, break Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, preak 23.4 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Mpa ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Mpa ISO 178 Tensile Mpa ISO 178 Tensile Mpa ISO 178 Tensile Strain, yield 4 NB ISO 178 Tensile Strain, break 4 RJ/m ASTM D 4812 Tensile Mpact, unnotched, 23°C 19 J ASTM D 4812 Tensile Mpact, unnotched, 23°C 19 J ASTM D 256 Tensile Strain, yield 4 RJ/m² ISO 180/1U Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 3763 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 +23°C 19 J ASTM D 4812 Tensile Mpact, unnotched 80°10°4 sp=64mm 187 °C ISO 11359-2 Tensile Mpact, unnotched 80°10°4 sp=64mm 187 °C ISO 11359-2 Tensile Mpact, unnotched 80°10°4 sp=64mm 187 °C ISO 11359-2 Tensile Mpact, unnotched 80°10°4 sp=64mm 187 °C ISO 11359-2 Tensile Mpact, unnotched 80°10°4 sp=64mm 188 °C ISO 75/Af Tensile Mpact, unnotched 80°10°4 sp=64mm 188 °C ISO 75/Af Tensile Mpact, unnotched 80°10°4 sp=64mm 188 °C ISO 11359-2 Tensile Mpact, unnotched 80°10°4 sp=64mm 1	Flexural Modulus	2890	MPa	ASTM D 790
Tensile Strain, yield 6.2 % ISO 527 Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Flexural Stress 118 MPa ISO 178 Flexural Modulus 2920 MPa ISO 178 IMPACT Value Unit Standard Izod Impact, unnotched, 23°C NB J/m ASTM D 4812 Izod Impact, notched, 23°C 19 J ASTM D 256 Instrumented Impact Energy @ peak, 23°C 19 J ASTM D 3763 Multiaxial Impact 32 J ISO 6603 Izod Impact, unnotched 80*10*4+23°C NB kJ/m² ISO 180/1U Izod Impact, notched 80*10*4+23°C 4 kJ/m² ISO 180/1U Izod Impact, notched 80*10*4+23°C 4 kJ/m² ISO 180/1U Izod Impact, notched 80*10*4+23°C 4 kJ/m² ISO 180/1U Izod Impact, notched 80*10*4+23°C ASTM D 648	Tensile Stress, yield	78	MPa	ISO 527
Tensile Strain, break 23.4 % ISO 527 Tensile Modulus, 1 mm/min 2830 MPa ISO 527 Flexural Stress 118 MPa ISO 178 Flexural Modulus 2920 MPa ISO 178 IMPACT Value Unit Standard Izod Impact, unnotched, 23°C NB J/m ASTM D 4812 Izod Impact, notched, 23°C 19 J ASTM D 256 Instrumented Impact Energy @ peak, 23°C 19 J ASTM D 3763 Multiaxial Impact 32 J ISO 6603 Izod Impact, unnotched 80*10*4 +23°C NB kJ/m² ISO 180/10 Izod Impact, untotched 80*10*4 +23°C NB kJ/m² ISO 180/10 Izod Impact, untotched 80*10*4 +23°C NB kJ/m² ISO 180/10 THERMAL Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05	Tensile Stress, break	53	MPa	ISO 527
Tensile Modulus, 1 mm/min 2830	Tensile Strain, yield	6.2	%	ISO 527
Flexural Stress	Tensile Strain, break	23.4	%	ISO 527
Flexural Modulus 2920 MPa	Tensile Modulus, 1 mm/min	2830	MPa	ISO 527
IMPACT Value Unit Standard Izod Impact, unnotched, 23°C NB J/m ASTM D 4812 Izod Impact, notched, 23°C 53 J/m ASTM D 256 Instrumented Impact Energy @ peak, 23°C 19 J ASTM D 3763 Multiaxial Impact 32 J ISO 6603 Izod Impact, unnotched 80*10*4 +23°C NB kJ/m² ISO 180/1U Izod Impact, notched 80*10*4 +23°C Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 4 KJ/m² ISO 180/1A THERMAL Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, flow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, flow 5.15E-05 1/°C ISO 75/Af PHYSICAL	Flexural Stress	118	MPa	ISO 178
Izod Impact, unnotched, 23°C NB	Flexural Modulus	2920	MPa	ISO 178
Izod Impact, notched, 23°C 53 J/m ASTM D 256 Instrumented Impact Energy @ peak, 23°C 19 J ASTM D 3763 Multiaxial Impact 32 J ISO 6603 Izod Impact, unnotched 80*10*4 +23°C NB kJ/m² ISO 180/1U Izod Impact, notched 80*10*4 +23°C 4 kJ/m² ISO 180/1A THERMAL Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 1759-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°C ISO 11559-2 CTE, -40°C to 40°C, xflow 5.07E-05 1/°	IMPACT	Value	Unit	Standard
Instrumented Impact Energy @ peak, 23°C Multiaxial Impact Izod Impact, unnotched 80°10°4 +23°C Izod Impact, unnotched 80°10°4 +23°C Izod Impact, notched 80°10°4 +23°C Izod Impact, unnotched 10°10°4 Izod Impact, unnotched 10°	Izod Impact, unnotched, 23°C	NB	J/m	ASTM D 4812
Multiaxial Impact 32 J ISO 6603 Izod Impact, unnotched 80*10*4 +23°C NB kJ/m² ISO 180/1U Izod Impact, notched 80*10*4 +23°C 4 kJ/m² ISO 180/1A THERMAL Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Mold Shr	Izod Impact, notched, 23°C	53	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	Instrumented Impact Energy @ peak, 23°C	19	J	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	Multiaxial Impact	32	J	ISO 6603
THERMAL Value Unit Standard HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m²	ISO 180/1U
HDT, 1.82 MPa, 3.2mm, unannealed 176 °C ASTM D 648 CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	Izod Impact, notched 80*10*4 +23°C	4	kJ/m²	ISO 180/1A
CTE, -40°C to 40°C, flow 5.05E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	THERMAL	Value	Unit	Standard
CTE, -40°C to 40°C, xflow 5.14E-05 1/°C ASTM E 831 CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	HDT, 1.82 MPa, 3.2mm, unannealed	176	°C	ASTM D 648
CTE, -40°C to 40°C, flow 5.07E-05 1/°C ISO 11359-2 CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	CTE, -40°C to 40°C, flow	5.05E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow 5.15E-05 1/°C ISO 11359-2 HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	CTE, -40°C to 40°C, xflow	5.14E-05	1/°C	ASTM E 831
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 187 °C ISO 75/Af PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	CTE, -40°C to 40°C, flow	5.07E-05	1/°C	ISO 11359-2
PHYSICAL Value Unit Standard Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	CTE, -40°C to 40°C, xflow	5.15E-05	1/°C	ISO 11359-2
Density 1.49 g/cm³ ASTM D 792 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	187	°C	ISO 75/Af
Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ASTM D 955 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	PHYSICAL	Value	Unit	Standard
Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ASTM D 955 Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	Density	1.49	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs 0.6 - 0.8 % ISO 294 Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	Mold Shrinkage, flow, 24 hrs	0.6 - 0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs 0.7 - 0.9 % ISO 294 Density 1.49 g/cm³ ISO 1183	Mold Shrinkage, xflow, 24 hrs	0.7 - 0.9	%	ASTM D 955
Density 1.49 g/cm³ ISO 1183	Mold Shrinkage, flow, 24 hrs	0.6 - 0.8	%	ISO 294
	Mold Shrinkage, xflow, 24 hrs	0.7 - 0.9	%	ISO 294
Moisture Absorption (23°C / 50% RH) 0.76 % ISO 62	Density	1.49	g/cm³	ISO 1183
	Moisture Absorption (23°C / 50% RH)	0.76	%	ISO 62

Source GMD, last updated:10/05/2004

Processing

Parameter		
Injection Molding	Value	Unit
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	355 - 370	°C
Front - Zone 3 Temperature	370 - 380	°C
Middle - Zone 2 Temperature	360 - 370	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	140 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm

Source GMD, last updated:10/05/2004

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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