



Lexan* Resin 4504

Americas: COMMERCIAL

High heat resistant polycarbonate copolymer, provides DTUL of 290F at 264 psi. FDA food contact compliant in limited colors. Effective January 15th, 2008 this grade will no longer be supported with biocompatibility information and should not be used for medical applications which require biocompatibility. Alternative grade HPH4504.

Property

TYPICAL PROPERTIES (1)			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 50 mm/min	65	MPa	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	71	MPa	ASTM D 638
Tensile Strain, yld, Type I, 50 mm/min	7	%	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	122	%	ASTM D 638
Tensile Modulus, 5 mm/min	2090	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	95	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2020	MPa	ASTM D 790
Hardness, Rockwell M	85	-	ASTM D 785
Hardness, Rockwell R	122	-	ASTM D 785
Tensile Stress, yield, 5 mm/min	65	MPa	ISO 527
Tensile Stress, yield, 50 mm/min	65	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	7	%	ISO 527
Tensile Strain, break, 50 mm/min	7	%	ISO 527
Tensile Modulus, 1 mm/min	2260	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	66	MPa	ISO 178
Flexural Modulus, 2 mm/min	2120	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	3204	J/m	ASTM D 4812
Izod Impact, notched, 23°C	640	J/m	ASTM D 256
Izod Impact, notched, -30°C	144	J/m	ASTM D 256
Tensile Impact, Type "S"	577	kJ/m²	ASTM D 1822
Falling Dart Impact (D 3029), 23°C	149	J	ASTM D 3029
Instrumented Impact Total Energy, 23°C	73	J	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	13	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	11	kJ/m²	ISO 180/1A
Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm	15	kJ/m²	ISO 179/1eA
THERMAL	Value	Unit	Standard
Vicat Softening Temp, Rate B/50	160	°C	ASTM D 1525
HDT, 1.82 MPa, 3.2mm, unannealed	143	°C	ASTM D 648
CTE, -40°C to 40°C, flow	6.E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	6.E-05	1/°C	ASTM E 831
CTE, -40°C to 95°C, flow	9.18E-05	1/°C	ASTM E 831
Specific Heat	1.25	J/g-°C	ASTM C 351
Thermal Conductivity	0.21	W/m-°C	ASTM C 177
CTE, -40°C to 40°C, flow	6.E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	6.E-05	1/°C	ISO 11359-2
Vicat Softening Temp, Rate B/50	154	°C	ISO 306

Relative Temp Index, Elec 125 °C UL 746B Relative Temp Index, Mech w/impact 125 °C UL 746B Relative Temp Index, Mech w/o impact 125 °C UL 746B PHYSICAL Value Unit Standard Specific Gravity 1.2 - ASTM D 792 Specific Volume 0.83 cm³/g ASTM D 792 Density 1.19 g/cm³ ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 792 Water Absorption, 23 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 183 Water Absorption (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C/sat) 0.16 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 183 OPTICAL Value Unit Standard </th <th>Vicat Softening Temp, Rate B/120</th> <th>155</th> <th>°C</th> <th>ISO 306</th>	Vicat Softening Temp, Rate B/120	155	°C	ISO 306
Relative Temp Index, Mech w/impact 125 °C UL 746B Relative Temp Index, Mech w/o impact 125 °C UL 746B PHYSICAL Value Unit Standard Specific Gravity 1.2 - ASTM D 792 Specific Volume 0.83 cm³/g ASTM D 792 Density 1.19 g/cm³ ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 792 Mold Shrinkage, flow, 3.2 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/5at) 0.16 % ISO 62 Moisture Absorption, (23°C/5at) 0.16 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 10	HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	132	°C	ISO 75/Af
Relative Temp Index, Mech w/o impact 125 °C UL 746B PHYSICAL Value Unit Standard Specific Gravity 1.2 - ASTM D 792 Specific Volume 0.83 cm³/g ASTM D 792 Density 1.19 g/cm³ ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 570 Mold Shrinkage, flow, 3.2 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kg 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003	Relative Temp Index, Elec	125	°C	UL 746B
PHYSICAL Value Unit Standard	Relative Temp Index, Mech w/impact	125	°C	UL 746B
Specific Gravity	Relative Temp Index, Mech w/o impact	125	°C	UL 746B
Specific Volume 0.83 cm³/g ASTM D 792 Density 1.19 g/cm³ ASTM D 792 Water Absorption, 24 hours 0.16 % ASTM D 570 Mold Shrinkage, flow, 3.2 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62	PHYSICAL	Value	Unit	Standard
Density	Specific Gravity	1.2	-	ASTM D 792
Water Absorption, 24 hours 0.16 % ASTM D 570 Mold Shrinkage, flow, 3.2 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Mother Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 62 Mother Volume Rate, MVR at 300°C/1.2 kg 1 h ASTM D 1003 Refractive Index 1.6 -	Specific Volume	0.83	cm³/g	ASTM D 792
Mold Shrinkage, flow, 3.2 mm 0.7 - 0.8 % SABIC Method Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 150 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150	Density	1.19	g/cm³	ASTM D 792
Melt Flow Rate, 300°C/1.2 kgf 3 g/10 min ASTM D 1238 Density 1.2 g/cm³ ISO 1183 Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 150 Diesipation Factor, So/60 Hz 3.15 - ASTM D 150 Dissipatio	Water Absorption, 24 hours	0.16	%	ASTM D 570
Density 1.2 g/cm³ ISO 1183	Mold Shrinkage, flow, 3.2 mm	0.7 - 0.8	%	SABIC Method
Water Absorption, (23°C/sat) 0.16 % ISO 62 Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 150 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 4 <	Melt Flow Rate, 300°C/1.2 kgf	3	g/10 min	ASTM D 1238
Moisture Absorption (23°C / 50% RH) 0.35 % ISO 62 Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition (PLC) 2 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 3 <	Density	1.2	g/cm³	ISO 1183
Melt Volume Rate, MVR at 300°C/1.2 kg 3 cm³/10 min ISO 1133 OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 159 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3	Water Absorption, (23°C/sat)	0.16	%	ISO 62
OPTICAL Value Unit Standard Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Ampere Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit <td>Moisture Absorption (23°C / 50% RH)</td> <td>0.35</td> <td>%</td> <td>ISO 62</td>	Moisture Absorption (23°C / 50% RH)	0.35	%	ISO 62
Light Transmission 85 % ASTM D 1003 Haze 1 % ASTM D 1003 Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Ampere Arc Track Rate {PLC} 4 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Melt Volume Rate, MVR at 300°C/1.2 kg	3	cm³/10 min	ISO 1133
Haze	OPTICAL	Value	Unit	Standard
Refractive Index 1.6 - ASTM D 542 ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Light Transmission	85	%	ASTM D 1003
ELECTRICAL Value Unit Standard Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition (PLC) 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Haze	1	%	ASTM D 1003
Volume Resistivity >2.6E+17 Ohm-cm ASTM D 257 Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Refractive Index	1.6	-	ASTM D 542
Dielectric Strength, in air, 3.2 mm 20.2 kV/mm ASTM D 149 Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	ELECTRICAL	Value	Unit	Standard
Relative Permittivity, 50/60 Hz 3.15 - ASTM D 150 Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Volume Resistivity	>2.6E+17	Ohm-cm	ASTM D 257
Relative Permittivity, 1 MHz 3 - ASTM D 150 Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Dielectric Strength, in air, 3.2 mm	20.2	kV/mm	ASTM D 149
Dissipation Factor, 50/60 Hz 0.0012 - ASTM D 150 Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Relative Permittivity, 50/60 Hz	3.15	-	ASTM D 150
Dissipation Factor, 100 Hz 0.024 - ASTM D 150 Hot Wire Ignition {PLC} 2 PLC Code UL 746A High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Relative Permittivity, 1 MHz	3	-	ASTM D 150
Hot Wire Ignition {PLC} 2	Dissipation Factor, 50/60 Hz	0.0012	-	ASTM D 150
High Voltage Arc Track Rate {PLC} 3 PLC Code UL 746A High Ampere Arc Ign, surface {PLC} 4 PLC Code UL 746A Comparative Tracking Index (UL) {PLC} 3 PLC Code UL 746A FLAME CHARACTERISTICS Value Unit Standard	Dissipation Factor, 100 Hz	0.024	-	ASTM D 150
High Ampere Arc Ign, surface {PLC} Comparative Tracking Index (UL) {PLC} FLAME CHARACTERISTICS 4 PLC Code UL 746A Value Unit Standard	Hot Wire Ignition (PLC)	2	PLC Code	UL 746A
Comparative Tracking Index (UL) {PLC} FLAME CHARACTERISTICS 3 PLC Code UL 746A Value Unit Standard	High Voltage Arc Track Rate {PLC}	3	PLC Code	UL 746A
FLAME CHARACTERISTICS Value Unit Standard	High Ampere Arc Ign, surface {PLC}	4	PLC Code	UL 746A
	Comparative Tracking Index (UL) {PLC}	3	PLC Code	UL 746A
UL Recognized, 94V-2 Flame Class Rating (3) 1.47 mm UL 94	FLAME CHARACTERISTICS	Value	Unit	Standard
	UL Recognized, 94V-2 Flame Class Rating (3)	1.47	mm	UL 94

Source GMD, last updated:01/03/2006

Processing

Parameter		
Injection Molding	Value	Unit
Drying Temperature	120	°C
Drying Time	3 - 4	hrs
Drying Time (Cumulative)	48	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	340 - 360	°C
Nozzle Temperature	330 - 355	°C
Front - Zone 3 Temperature	340 - 360	°C
Middle - Zone 2 Temperature	325 - 350	°C
Rear - Zone 1 Temperature	315 - 340	°C
Mold Temperature	80 - 115	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	40 - 70	rpm
Shot to Cylinder Size	40 - 60	%
Vent Depth	0.025 - 0.076	mm

Source GMD, last updated:01/03/2006

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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