



**Grade: PC743, R, UV, RUV**

Molding Grade: PC, w/ Release, w/ UV, w/ Release and UV

**Typical Material Properties**

Physical	Nominal Values	ASTM Test
Specific Gravity	1.20	D792
Melt Flow (300°C/1.2kg)	11.0 g/10 min	D1238
<b>Mechanical</b>		
Tensile Modulus	350,000 psi	D638
Tensile Strength @ Yield	9,000 psi	D638
Flexural Modulus	350,000 psi	D790
Flexural Strength @ Yield	13,000 psi	D790
<b>Impact</b>		
Notched Izod Impact (73 °F, 0.125 in)	14.0 ft-lb/in	D256
<b>Thermal</b>		
DTUL @ 264 psi-unannealed (0.125 in)	265 °F	D648
<b>Mold Shrinkage</b>		
Linear Flow	.005 - .007 in/in	D955
<b>UL Rating</b>		
	(f2)	UL746C
Flammability	V-2 @ 1.5mm & 3.0mm	UL 94
RTI	80°C, 80°C, 80°C	UL746B

**Recommended Processing Guidelines**

	Nominal Values
Drying Time and Temperature	4.0 hrs at 250°F
Suggested Max Moisture	0.020%
Rear Temperature	475°F – 525°F
Middle Temperature	500°F – 550°F
Front Temperature	525°F – 575°F
Nozzle Temperature	525°F – 575°F
Processing (Melt) Temperature	525°F – 575°F
Mold Temperature	160°F – 200°F
Back Pressure	50 – 100 psi
Screw Speed	40 – 75 RPM