



Monprene® PC-15160 BLK XRD1 (Preliminary Data)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Monprene PC-15160 is a high performance thermoplastic elastomer, available in NAT and colors, designed for a variety of personal care consumer product applications requiring a soft, rubber-like feel. Monprene PC-15160 is a low hardness, low density, lubricated, clear, UV stable grade that is suitable for injection molding and extrusion.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Colorability • Good Flexibility	• Good Moldability • Good Processability • High Elongation	• Low Compression Set • Low Density • Resilient
Uses	• Consumer Applications • Flexible Grips • General Purpose	• Grommets • Handles • Knobs	• Overmolding • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength - Flow (Break)	12200	psi	ISO 37
Tensile Elongation - Flow (Break)	850	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	63		ISO 868

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	284 to 356	°F
Middle Temperature	356 to 464	°F
Front Temperature	392 to 464	°F
Nozzle Temperature	392 to 464	°F
Processing (Melt) Temp	392 to 464	°F
Mold Temperature	86 to 104	°F
Injection Rate	Moderate-Fast	

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).