Bergaflex™ BFI 60A-363 black SO33 UV

Thermoplastic Elastomer

Key Characteristics

Product Description			
Bergaflex™ BFI 60A-363 black SO33 UV is a thermoplastic elastomer based on styrenic block copolymers. This Compound is specially developed to deliver excellent UV stability.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific	• Europe	• North America
Features	• General Purpose • Good Flow	• Good Processability • UV Resistant	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	20 cm³/10min	20 cm³/10min	ISO 1133
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	1160 psi	8.00 MPa	
Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	943 psi	6.50 MPa	
Tensile Elongation [2]			ISO 37
Across Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	800 %	800 %	
Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	700 %	700 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	60	60	ISO 48-4

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Suggested Max Regrind	20 %	20 %
Rear Temperature	329 to 347 °F	165 to 175 °C
Middle Temperature	347 to 383 °F	175 to 195 °C
Front Temperature	365 to 437 °F	185 to 225 °C
Nozzle Temperature	383 to 437 °F	195 to 225 °C
Mold Temperature	68 to 104 °F	20 to 40 °C
Back Pressure	290 to 1450 psi	2.00 to 10.0 MPa
Screw Speed	40 to 100 rpm	40 to 100 rpm

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Notes

[1] Typical values are not to be construed as specifications.

[2] 7.9 in/min (200 mm/min)

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