



Bergaflex™ BFI G 35A-322

Thermoplastic Elastomer

Key Characteristics

Product Description

BFI G 35-322 is an easy processing TPE with excellent mechanical properties and low odor. Material is filled, opaque and has a moderate high density.

General

Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• General Purpose	• Low Odor	
Uses	• Appliances • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.19 g/cm ³	1.19 g/cm ³	ISO 1183
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (Break)	435 psi	3.00 MPa	ISO 37
Tensile Elongation (Break)	500 %	500 %	ISO 37
Compression Set			ISO 815
73°F (23°C), 72 hr	18 %	18 %	
158°F (70°C), 22 hr	45 %	45 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Shore Hardness ²			ISO 7619
Shore A, 10 sec, 0.236 in (6.00 mm), Injection Molded	35	35	

Additional Information

Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	338 to 347 °F	170 to 175 °C
Middle Temperature	347 to 374 °F	175 to 190 °C
Front Temperature	374 to 428 °F	190 to 220 °C
Nozzle Temperature	383 to 428 °F	195 to 220 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Back Pressure ³	290 to 1450 psi	2.00 to 10.0 MPa
Screw Speed	40 to 100 rpm	40 to 100 rpm

Injection Notes

Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) polyethylene (PE) or polypolyene (PP).

BFI G 35A-322 has excellent melt stability. Maximum residence times may vary, depending on the size of the barrel. Generally, the barrel should be emptied if it is idle for periods of 8 - 10 minutes or longer.

Drying is not Required

Injection Speed: 1 to 3 in/sec

1st Stage - Boost Pressure: 200 to 900 psi

2nd Stage - Hold Pressure: 50% of Boost

Hold Time (Thick Part): 3 to 10 sec

Hold Time (Thin Part): 1 to 3 sec

Notes

¹ Typical values are not to be construed as specifications.

² test specimen conditioned for >1h at room temperature prior testing

³ if color masterbatches are used, higher back pressure is necessary.



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