GLS 130-117C BLACK

Thermoplastic Elastomer

Key Characteristics

Product Description			
GLS 130-117C BLACK is an easy processing, general purpose material designed for a wide variety of applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2, 3] (Break)	609 psi	4.20 MPa	ASTM D412
Tensile Elongation [2, 3] (Break)	680 %	680 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness [3]			ASTM D2240
Shore A, 10 sec, 73°F (23°C)	53	53	
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	5.70 Pa·s	5.70 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	340 to 390 °F	171 to 199 °C
Middle Temperature	360 to 420 °F	182 to 216 °C
Front Temperature	360 to 420 °F	182 to 216 °C
Nozzle Temperature	380 to 440 °F	193 to 227 °C
Mold Temperature	80 to 120 °F	27 to 49 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	100 to 200 psi	0.689 to 1.38 MPa
Screw Speed	25 to 100 rpm	25 to 100 rpm

Notes

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

[2] Die C

[3] 2 hr

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