GLS AF2-934 Mammoth Black

Thermoplastic Elastomer

Key Characteristics

Product Description	
GLS AF2-934 Mammoth Black is an easy processing TPE designed for a variety of automotive applications.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Good Processability
Uses	• Automotive Applications • Fasteners • Overmolding • Plugs
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			
-- [2]	1.10 g/cm³	1.10 g/cm³	ISO 1133
-- [3]	1.10 g/cm³	1.10 g/cm³	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [3] (Break)	986 psi	6.80 MPa	ASTM D412
Tensile Elongation [3] (Break)	450 %	450 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	80	80	ISO 48-4

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Suggested Max Regrind	20 %	20 %
Rear Temperature	320 to 374 °F	160 to 190 °C
Middle Temperature	356 to 446 °F	180 to 230 °C
Front Temperature	410 to 518 °F	210 to 270 °C
Nozzle Temperature	392 to 500 °F	200 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Fast	Fast
Back Pressure	0.00 to 120 psi	0.00 to 0.827 MPa
Screw Speed	40 to 100 rpm	40 to 100 rpm

Notes

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

[2] Europe

[3] China

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