GLS AF6-483

Thermoplastic Elastomer

Key Characteristics

Product Description
GLS AF6-483 is a high transparency TPE, which have excellent mechanical property. It can overmolding to a variety of substrates including PC, ABS and PC/ABS, designed for a wide variety a applications.

General		
Material Status	• Commercial: Active	
Regional Availability	• Asia Pacific	
Features	• General Purpose	
Uses	• Flexible Grips • Overmolding	• Sporting Goods • Toys
RoHS Compliance	• RoHS Compliant	
Appearance	• Clear/Transparent	
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2, 3] (Break, 73°F (23°C))	4000 psi	27.6 MPa	ASTM D412
Tensile Elongation [2, 3] (Break, 73°F (23°C))	570 %	570 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	90	90	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	103 Pa·s	103 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	356 to 446 °F	180 to 230 °C
Middle Temperature	356 to 446 °F	180 to 230 °C
Front Temperature	356 to 446 °F	180 to 230 °C
Nozzle Temperature	356 to 446 °F	180 to 230 °C
Mold Temperature	70 to 140 °F	21 to 60 °C
Back Pressure	0.00 to 120 psi	0.00 to 0.827 MPa
Screw Speed	25 to 125 rpm	25 to 125 rpm

Injection Notes
Drying :80C*4hrs

Notes

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

[2] Die C

[3] 2 hr

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