GLS AD0-166 Shimmer Lime

Thermoplastic Elastomer

Key Characteristics

Product Description			
GLS AD0-166 Shimmer Lime is an easy processing, general purpose TPE designed for Philips.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• General Purpose	• Good Flow	• Good Processability
Uses	• Consumer Applications • Flexible Grips • Gaskets	• General Purpose • Household Goods • Overmolding	• Seals • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.04 g/cm³	1.04 g/cm³	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress			ASTM D412
300% Strain, 0.126 in (3.20 mm)	576 psi	3.97 MPa	
Tensile Strength (Break, 0.126 in (3.20 mm))	862 psi	5.94 MPa	ASTM D412
Tensile Elongation			ASTM D412
Break, 0.126 in (3.20 mm)	680 %	680 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	57	57	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			Internal Method
392°F (200°C), 11200 sec^-1	24.6 Pa·s	24.6 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	158 to 194 °F	70 to 90 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Regrind	20 %	20 %
Rear Temperature	320 to 370 °F	160 to 188 °C
Middle Temperature	350 to 380 °F	177 to 193 °C
Front Temperature	370 to 428 °F	188 to 220 °C
Nozzle Temperature	370 to 446 °F	188 to 230 °C
Mold Temperature	60 to 100 °F	16 to 38 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	0.00 to 120 psi	0.00 to 0.827 MPa

Notes

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

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