GLS 484-067

Thermoplastic Elastomer

Key Characteristics

Product Description
Lab-Compound LC 484-067 is a white semi-hard plastomer made of thermoplastic elastomer and polyethylene. LC 484-067 will give adhesion when melt pressed on lackered metal, provided the lacker is a modified grade for polyethylene adhesion.

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Organoleptic Properties		
Uses	• Consumer Applications • Containers	• Food Packaging • Gaskets	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm³	0.900 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	40 cm³/10min	40 cm³/10min	ISO 1133
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [2]			DIN 53504
Across Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	1230 psi	8.50 MPa	
Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	870 psi	6.00 MPa	
Tensile Elongation [2]			DIN 53504
Across Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	1200 %	1200 %	
Flow : Break, 73°F (23°C), 0.0787 in (2.00 mm)	600 %	600 %	
Compression Set (73°F (23°C), 72 hr)	36 %	36 %	ISO 815
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness			ISO 48-4
Shore A, 10 sec	89	89	
Shore D, 10 sec	25	25	

Additional Information
Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	356 to 410 °F	180 to 210 °C
Extrusion	**Typical Value (English)**	**Typical Value (SI)**
Melt Temperature	320 to 374 °F	160 to 190 °C
Die Temperature	356 to 392 °F	180 to 200 °C

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Notes

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

[2] 7.9 in/min (200 mm/min)

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