Versaflex™ G 7340 N EU

Thermoplastic Elastomer

Key Characteristics

Product Description

Versaflex™ G 7340 N EU is an easy processing, general purpose TPE designed for a wide variety of applications, and may be appropriate where FDA and EU 10/2011 compliances are required.

- Non-Slip Grip
- Overmold Adhesion to Polypropylene
- Soft Touch, Rubbery Feel

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• General Purpose • Good Colorability	• Good Flow • Good Processability	• Good Processing Stability • Recyclable Material
Uses	• Consumer Applications • Flexible Grips • Gaskets	• General Purpose • Household Goods • Overmolding	• Seals • Soft Touch Applications • Sporting Goods
Agency Ratings	• EU 10/2011 [1]	• FDA 21 CFR 177.1210 [1]	
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.20 g/cm³	1.20 g/cm³	ISO 1133
Molding Shrinkage - Flow (0.0787 in (2.00 mm))	1.3 to 2.1 %	1.3 to 2.1 %	ISO 294-4
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (100% Strain, 73°F (23°C))	116 psi	0.800 MPa	ISO 37
Tensile Stress (300% Strain, 73°F (23°C))	189 psi	1.30 MPa	ISO 37
Tensile Strength (Break, 73°F (23°C))	653 psi	4.50 MPa	ISO 37
Tensile Elongation (Break, 73°F (23°C))	840 %	840 %	ISO 37
Tear Strength	108 lbf/in	19.0 kN/m	ISO 34-1
Compression Set			ISO 815
73°F (23°C), 72 hr	20 %	20 %	
158°F (70°C), 22 hr	43 %	43 %	
212°F (100°C), 22 hr	72 %	72 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	33	33	ISO 48-4
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	8.30 Pa·s	8.30 Pa·s	

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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	347 to 383 °F	175 to 195 °C
Front Temperature	374 to 410 °F	190 to 210 °C
Nozzle Temperature	365 to 419 °F	185 to 215 °C
Mold Temperature	77 to 104 °F	25 to 40 °C
Back Pressure	290 to 1450 psi	2.00 to 10.0 MPa
Screw Speed	40 to 100 rpm	40 to 100 rpm

Notes

[1] Product rating may be influenced by end product design and/or conditions of use. Please contact GLS Thermoplastic Elastomers for information addressing EU (EU, 10/2011) and FDA (21 CFR 177.1210) compliance.

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

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