



Versaflex™ G 7370 N EU

Thermoplastic Elastomer

Key Characteristics

Product Description

Versaflex™ G 7370 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	<ul style="list-style-type: none"> • General Purpose • Good Colorability • Good Flow • Good Processability • Good Processing Stability • Recyclable Material
Uses	<ul style="list-style-type: none"> • Consumer Applications • Flexible Grips • Gaskets • General Purpose • Household Goods • Overmolding • Seals • Soft Touch Applications • Sporting Goods
Agency Ratings	<ul style="list-style-type: none"> • 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/cm ³	1.20 g/cm ³	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))	348 psi	2.40 MPa	ISO 37
Tensile Stress (300% Strain, 73°F (23°C))	464 psi	3.20 MPa	ISO 37
Tensile Strength (Break, 73°F (23°C))	899 psi	6.20 MPa	ISO 37
Tensile Elongation (Break, 73°F (23°C))	720 %	720 %	ISO 37
Tear Strength	148 lbf/in	26.0 kN/m	ISO 34-1
Compression Set			ISO 815
73°F (23°C), 72 hr	29 %	29 %	
158°F (70°C), 22 hr	50 %	50 %	
212°F (100°C), 22 hr	78 %	78 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 3 sec)	70	70	ISO 868
Fill Analysis	Typical Value (English)	Typical Value (SI)	Test Method
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec ⁻¹	9.60 Pa·s	9.60 Pa·s	

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.

The logo for PolyOne, featuring the word "PolyOne" in a stylized, italicized serif font with a horizontal line underneath.

Beyond Polymers.

Better Business Solutions. SM