

Polimeri Europa Greenflex® ML 50 Ethylene Vinyl Acetate Copolymer - Injection Molding, Compounding & Extrusion

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate; Molded/Extruded

Material Notes:

Greenflex ML 50 is an ethylene vinyl acetate copolymer (EVA) for injection molding, compounding and extrusion. Items produced with Greenflex ML 50 show high elasticity. Main Applications: Greenflex ML 50 is recommended for the production of foamed and crosslinked sheets for shoes, dolls, shock absorbers and gaskets. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Greenflex-ML-50-Ethylene-Vinyl-Acetate-Copolymer-Injection-Molding-Compounding-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.941 g/cc	0.941 g/cc	ISO 1183
Vinyl Acetate Content	19 %	19 %	Internal Method
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	ISO 868/A
Hardness, Shore D	36	36	ISO 868/A
Tensile Strength, Yield	4.50 MPa	653 psi	ISO 527
Flexural Modulus	0.0400 GPa	5.80 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	83.0 °C	181 °F	Internal Method
Vicat Softening Point	58.0 °C @Load 1.00 kg	136 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -80.0 °C	<= -112 °F	ASTM D746

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