

Termopol Termoton® V2GA1050d TPV Compound

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

Termoton®V, TPV compounds with a dynamically cured EPDM phase closely dispersed in a polyolefin phase (PP). Main Characteristics: Wide range of hardness; High strength elasticity; 100% recyclable; Easy processing by means of the traditional technologies for thermoplastic materials; Additional resistance to heat, UV, O, and weathering; Excellent resistance to several chemical agents like bases, acids, alcohols, detergents etc; Transparency-easy coloring; Heat adhesion on rigid polymeric materials like PA, PC, ABS, PMMA, PS, SAN, TPU polymers; High elastic recovery within a wide temperature range; Soft rubbery touch, excellent wet and dry grip; Low compression set even at high temperature; High fatigue resistance; High thermal and electric insulation values; Good abrasion resistance; Many products meet FDA and REACH regulations Information provided by Termopol Termoplastik Elastomer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Termopol-Termoton-V2GA1050d-TPV-Compound.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ISO 868
Tensile Strength	19.0 MPa	2760 psi	ISO 37
Elongation at Break	600 %	600 %	ISO 37
100% Modulus	0.00900 GPa	1.31 ksi	ISO 37
300% Modulus	0.00100 GPa	0.145 ksi	ISO 37

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Drying Temperature	90.0 °C @Time 7200 sec	194 °F @Time 2.00 hour	
Back Pressure	0.340 MPa	49.3 psi	
Screw Speed	25 - 75 rpm	25 - 75 rpm	

Descriptive Properties	Value	Comments
Acid-Base Resistance	Excellent	
Alcohol Resistance	Excellent	
Compression Set	Very Good	
Injection Pressure	Medium	
Injection Speed	Medium-high	
Motor Oil Resistance	Good	
Plasticizing Speed	High	
Solvent Resistance	Good	
UV-Ozone Stability	Excellent	

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