+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
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EZPRENE® VL-320-65A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

General Information

Product Description

This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is a high performance, dynamically vulcanized EPDM/PP blend. EZPRENE® series are competely recyclable and can be processed with conventional thermoplastics machinery

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Non hygroscopic, no pre-drying
Excellent ozone, UV and weathering resistance
Low compression set and rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Extrusion, coextrusion, blow molding, injection molding

Uses :
Automotive, construction, home appliances, wire&cable, industrial applications

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Good Colorability • Good Weather Resistance • Heat Stabilized	• High Elasticity • Low Compression Set • Low to No Water Absorption • Ozone Resistant	• Recyclable Material • UV Resistant • UV Stabilized
Uses	• Appliances • Automotive Applications	• Construction Applications • Industrial Applications	• Wire & Cable Applications
Processing Method	• Blow Molding • Coextrusion	• Extrusion • Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm³	ISO 1183/A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	2.40	MPa	ISO 37
Tensile Stress (300% Strain)	4.00	MPa	ISO 37
Tensile Stress (Break)	6.40	MPa	ISO 37
Tensile Elongation (Break)	540	%	ISO 37
Tear Strength - Across Flow	40.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	22	%	
70°C, 22 hr	30	%	

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	65		ISO 868

Thermal	Nominal Value	Unit
Brittleness Temperature	-45.0	°C
Service Temperature		
Dynamic	125	°C
Static	135	°C

Processing Information

Injection	Nominal Value	Unit
Hopper Temperature	170 to 180	°C
Middle Temperature	180 to 190	°C
Front Temperature	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Processing (Melt) Temp	210 to 220	°C
Mold Temperature	10 to 50	°C

Injection Notes
Max Allowable Melt Temperature: 250°C

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170 to 190	°C
Cylinder Zone 3 Temp.	180 to 195	°C
Cylinder Zone 5 Temp.	195 to 205	°C
Adapter Temperature	200 to 210	°C
Die Temperature	200 to 220	°C

Notes

[1] Typical properties: these are not to be construed as specifications.