Preliminary EZPRENE VU-320-40A

EZPRENE-V

Product Description : This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with improved flow behaviour. EZPRENE® series are completely recyclable and can be processed with conventional thermoplastics machine

Additive Packages : H / Heat stabilizer
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Key Features : Non-hygroscopic, no pre-drying
Excellent ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy processing, faster cycle time over conventional TPVs
Easy colorability with proper MB (PE, PP, etc)

Process Method : Extrusion, coextrusion, blow molding, sheet extrusion, injection/multi injection molding

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

	Value	Unit	Standard
Physical			
Hardness	40	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	0,7	Mpa	ISO 37, DIN 53504
300% Modulus	1,6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	500	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	19	N/mm	ISO 34-1

Environmental Resistance	
Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair

Data Sheet

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Sulphuric Acid	Good
Detergent	Good
Drying Condition	
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
Molding Condition (°C)	
1st Zone (hopper)(°C)	170-180
2nd Zone(°C)	180-190
3rd Zone(°C)	190-200
Nozzle(°C)	200-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C
Extrusion Condition (°C)	
Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220