+135-3858-6433 (GuangDong)
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+852-6957-5415 (HongKong)

EZPRENE VL-320-90A

EZPRENE-V

Product Description : This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is produced with food contact compliant raw materials,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

	Value	Unit	Standard
Physical			
Hardness	90	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	5,1	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	5,9	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	9,4	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	650	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	48	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	49	%	ISO 815
Compression Set (22h/70°C)	51	%	ISO 815
Compression Set (22h/100°C)	52	%	ISO 815

Resistance	
Ozone	Excellent
Water	Excellent

Data Sheet

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Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good
Drying Condition	
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
Molding Condition	
Barrel Rear	170-180
Barrel Center	180-190
Barrel Front	190-200
Nozzle	200-210
Melt Temperature	210-220
Mould Temperature	10-50
Max Allowable Melt Temperature	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