



EZPRENE VL-321-60A

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 machinery

Additive Packages : T / Heat and UV stabilizer
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Key Features : Non-hygroscopic, no pre-drying
Excellent ozone, UV and weathering resistance
Rubberlike elasticity and low compression set
Easy processing, faster cycle time over conventional TPVs
Easy colorability with proper MB (PE, PP, etc. Based)

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	60	SHORE A	ISO 868 (3 second)
Density	0,95	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-45	°C	ASTMD 1044
Mechanical			
100% Modulus	2,1	Mpa	ISO 37, DIN 53504
300% Modulus	3,8	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	7,5	Mpa	ISO 37, DIN 53504
Elongation at Break	600	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	41	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	20	%	ISO 815
Compression Set (22h/70°C)	25	%	ISO 815
Compression Set (22h/100°C)	35	%	ISO 815





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Thermal

Max. Dynamic Service Temperature	100	°C	*
Max. Static Service Temperature	120	°C	*

Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good
Drying Time(hr)	Not required
Drying Temperature(C)	Not required

Molding Condition

Barrel Rear	150-160
Barrel Center	155-165
Barrel Front	165-175
Nozzle	170-175
Melt Temperature	170-180
Mould Temperature	10-50
Max Allowable Melt Temperature	220 C

Extrusion Condition (°C)

Feed Zone Temperature (°C)	145 - 150
Compression Zone Temperature (°C)	145 - 155
Melting Zone Temperature (°C)	155 - 160
Extruder Head Temperature (°C)	155 - 165
Die Temperature (°C)	160 - 165

Important Notice;

