



## EZPRENE VL-321-60A

### EZPRENE-V

<b>Product Description :</b>	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
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Extrusion, coextrusion, blow molding, sheet extrusion, injection/multi injection molding
<b>Uses :</b>	Automotive, construction, home appliances, wire&cable, industrial applications

	Value	Unit	Standard
<b>Physical</b>			
Hardness	60	SHORE A	ISO 868 (3 second )
Density	0,95	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-45	°C	ASTMD 1044
<b>Mechanical</b>			
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
<b>Aging</b>			
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	*

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#### 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

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#### 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

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#### 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

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#### Important Notice;

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