



**EZPRENE VU-320-80A**

**EZPRENE-V**

**Product Description :** This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is high performance, dynamically vulcanized EPDM/PP blend. EZPRENE® series are completely recyclable and can be processed with

**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 in a wide temperature range and low compression set. Easy processing, faster cycle time over conventional TPVs. Easy colorability with proper MB (PE, PP).

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

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

	Value	Unit	Standard
<b>Physical</b>			
Hardness	80	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-45	°C	ASTM D746
<b>Mechanical</b>			
100% Modulus	3,5	Mpa	ISO 37, DIN 53504
300% Modulus	4,6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	9,5	Mpa	ISO 37, DIN 53504
Elongation at Break	675	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	55	N/mm	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	38	%	ISO 815
Compression Set (22h/70°C)	44	%	ISO 815
<b>Thermal</b>			
Max. Dynamic Service Temperature	110	°C	*



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Max. Static Service Temperature	135	°C	*
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**Environmental Resistance**

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

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**Drying Condition**

Drying Time(hr)	Not required
Drying Temperature(°C)	Not required

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**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

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**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

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