



EZPRENE VU-324-90A

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 :	T / Heat and UV stabilizer Z / Cu Stabilizer
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, etc. based)
Process Method :	Extrusion, coextrusion, blow molding, injection molding
Uses :	Wire&cable, automotive, construction, home appliances, industrial applications

	Value	Unit	Standard
Physical			
Hardness	90	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-45	°C	ASTM D746
Mechanical			
100% Modulus	5,5	Mpa	ISO 37, DIN 53504
300% Modulus	6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	12	Mpa	ISO 37, DIN 53504
Elongation at Break	700	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	84	N/mm	ISO 34-1
Thermal			
Max. Dynamic Service Temperature	110	°C	*
Max. Static Service Temperature	135	°C	*

Environmental Resistance

Ozone	Excellent
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Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
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

