



**ENFLEX VU-420-90A**

**ENFLEX-V**

<b>Product Description :</b>	This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with improved flow behaviour. ENFLEX® 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>	Excellent ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Low compression set Easy processing Colorable 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	90	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	4,6	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	5,6	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	11,1	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	640	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	36,4	N/mm	ISO 34-1 Method B
<b>Aging</b>			
Compression Set (72h/23°C)	40	%	ISO 815
Compression Set (22h/70°C)	49	%	ISO 815
Compression Set (22h/100°C)	59	%	ISO 815

**Environmental Resistance**

Ozone	Excellent
Water	Excellent



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Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

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**Drying Condition**

Drying Time(hr)	2
Drying Temperature(°C)	80-90

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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

