



**ENFLEX VU-427-80A**

**ENFLEX-V**

**Product Description :** This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend for general purpose applications. ENFLEX® 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 :** Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Improved flow, easy processing  
Colorable with proper MB (PE, PP, etc. based)

**Process Method :** Extrusion, coextrusion, 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 Point	-45	°C	*
<b>Mechanical</b>			
100% Modulus	3,6	Mpa	ISO 37, DIN 53504
300% Modulus	5,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	11,8	Mpa	ISO 37, DIN 53504
Elongation at Break	740	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	57	kN/m	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	45	%	ASTM D 395-89-B
Compression Set (22h/70°C)	51	%	ASTM D 395-89-B
Compression Set (22h/100°C)	62	%	ASTM D 395-89-B
<b>Thermal</b>			
Max. Dynamic Service Temperature	110	°C	*
Max. Static Service Temperature	135	°C	*





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Water Excellent

**Environmental Resistance**

Ozone Excellent

Alcohol Excellent

Olive Oil Fair

Sulphuric Acid Good

Detergent Good

Max Allowable Melt Temperature(°C) 250 C

**Drying Condition**

Drying Time(hr) 2

Drying Temperature(°C) 80-90

**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

**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



**Ravago Petrokimya**