



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 /
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
Physical			
Hardness	80	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Brittleness Point	-45	°C	*
Mechanical			
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
Aging			
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
Thermal			
Max. Dynamic Service Temperature	110	°C	*
Max. Static Service Temperature	135	°C	*





ENFLEX VU-427-80A

ENFLEX-V

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

