ENFLEX VU-420-80A

ENFLEX-V

Product Description : 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.

Additive Packages : T / Heat and UV stabilizer
/

Key Features :
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)

Process Method : Extrusion, coextrusion, blow molding, 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
Mechanical			
100% Modulus	3,3	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	4,6	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	9,1	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	610	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	29,1	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	33	%	ISO 815
Compression Set (22h/70°C)	42	%	ISO 815
Compression Set (22h/100°C)	54	%	ISO 815

Environmental Resistance	
Ozone	Excellent
Water	Excellent

Data Sheet

ENFLEX VU-420-80A

ENFLEX-V

Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good
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
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