



ENFLEX VL-121-55A

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 : N / None
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Key Features : Rubberlike elasticity
Ease of coloring by proper MB (PE,PP,etc. based)
Low compression set
Ease of processing
Recyclability

Process Method : Extrusion, coextrusion, blow molding, injection molding

Uses : Industrial applications,construction, home appliances .

	Value	Unit	Standard
Physical			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	0,95	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,5	Mpa	ISO 37, DIN 53504
300% Modulus	3,0	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	3,5	Mpa	ISO 37, DIN 53504
Elongation at Break	400	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	30	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	22	%	ISO 815
Compression Set (22h/70°C)	36	%	ISO 815
Compression Set (22h/100°C)	40	%	ISO 815





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Environmental Resistance

Ozone	Excellent
Water	Excellent
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

