

ENFLEX VL-120-90A

ENFLEX-V



Product Description :	This polyolefin based thermoplastic elastomer (TPE-V) compound is a high performance, dynamically vulcanized EPDM/PP blend. 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 Low compression set and rubberlike elasticity in a wide temperature range Colorable with proper MB (PE, PP, etc. based)
Process Method :	Extrusion, coextrusion, blow molding, injection molding
Uses :	Automotive, construction, home appliances, wire&cable, industrial applications
Revision Date :	01.02.2023

	Value	Unit	Standard
Physical			
Hardness	90	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	5,8	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	7,3	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	14,3	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	560	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	37	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	48	%	ISO 815
Compression Set (22h/70°C)	50	%	ISO 815
Compression Set (22h/100°C)	54	%	ISO 815

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent



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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

Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.



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