



## ENFLEX VL-120-55D

### ENFLEX-V

<b>Product Description :</b>	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
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Extrusion, coextrusion, blow molding, injection molding
<b>Uses :</b>	Automotive, construction, home appliances, wire&cable, industrial applications

	Value	Unit	Standard
<b>Physical</b>			
Hardness	55	SHORE D	ISO 868 (3 second )
Density	0,94	gr / cm3	ISO 1183 1-A
Brittleness Point	-45	°C	*
<b>Mechanical</b>			
100% Modulus	15,1	Mpa	ISO 37, DIN 53504
300% Modulus	15,7	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	26	Mpa	ISO 37, DIN 53504
Elongation at Break	800	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	137	kN/m	ISO 34-1
<b>Thermal</b>			
Max. Dynamic Service Temperature	125	°C	*
Max. Static Service Temperature	135	°C	*
<b>Environmental Resistance</b>			
Ozone	Excellent		
Water	Excellent		





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Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

#### Drying Condition

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Drying Time(hr)	2
Drying Temperature(°C)	80-90

#### Molding Condition (°C)

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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)

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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

