



## ENFLEX VM-110-50D

### ENFLEX-V

<b>Product Description :</b>	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.
<b>Additive Packages :</b>	H / Heat stabilizer /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Injection/multi injection molding
<b>Uses :</b>	Automotive, construction, home appliances, wire&cable, industrial applications

	Value	Unit	Standard
<b>Physical</b>			
Hardness	50	SHORE D	ISO 868 (3 second)
Density	0,93	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	13	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	12,8	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	23,9	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	850	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	88	N/mm	ISO 34-1 Method B

#### Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good





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Detergent	Good
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#### Drying Condition

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

1st Zone (hopper)(°C)	170-180
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2nd Zone(°C)	180-190
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3rd Zone(°C)	190-200
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Nozzle(°C)	200-210
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Melt Temperature(°C)	210-220
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Mold Temperature(°C)	10-50
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Max Allowable Melt Temperature(°C)	250 C
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