



**ENFLEX VX-110-50D**

**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  
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**Key Features :** Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Easy processing  
Colorable with proper MB (PE, PP, etc. based)

**Process Method :** Injection/multi injection molding

**Uses :** Automotive, construction, home appliances, 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	12,2	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	12	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	16	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	540	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	85	N/mm	ISO 34-1 Method B

**Environmental Resistance**

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



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**Drying Condition**

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

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**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

