



ENFLEX VX-411-60A

ENFLEX-V

Product Description : This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with super high flow behaviour. ENFLEX® series are completely recyclable and can be processed with conventional thermoplastics machinery

Key Features : Excellent ozone, UV and weathering resistance
 Rubberlike elasticity in a wide temperature range
 Super high flow for difficult injection molding applications
 Colorable with proper MB (PE, PP, etc. based)

Process Method : Injection/multi injection molding

Uses : Automotive: Glass encapsulation and thin-walled complex parts

	Value	Unit	Standard
Physical			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	0,94	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,7	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,6	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	5,0	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	550	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	34	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	28	%	ISO 815
Compression Set (22h/70°C)	42	%	ISO 815
Compression Set (22h/100°C)	55	%	ISO 815

Environmental Resistance



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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

