



Preliminary ENFLEX VX-460-85A

ENFLEX

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
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Key Features : Excellent ozone, UV and weathering resistance
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

	Value	Unit	Standard
Physical			
Hardness	85	SHORE A	ISO 868 (3 second)
Density	1,17	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	3,3	Mpa	ISO 37, DIN 53504
300% Modulus	4,2	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	5,6	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	500	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	27	N/mm	ISO 34-1

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

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

