



ENFLEX VU-221-60A

ENFLEX-V

Product Description :	This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend bondable to PA substrate by overmolding. ENFLEX® series are completely recyclable and can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Adhesion to PA, Excellent ozone resistance Rubberlike elasticity in a wide temperature range Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding, extrusion, coextrusion
Uses :	Automotive, home appliances, industrial applications

	Value	Unit	Standard
Physical			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	0,96	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	2	Mpa	ISO 37, DIN 53504
300% Modulus	2	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	3,5	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	350	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	24	N/mm	ISO 34-1
Aging			
Compression Set (72h/23°C)	26	%	ISO 815
Environmental Resistance			
Ozone	Excellent		
Water	Excellent		
Alcohol	Excellent		



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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)	230-240
2nd Zone(°C)	235-245
3rd Zone(°C)	240-250
Nozzle(°C)	245-255
Melt Temperature(°C)	245-265
Mold Temperature(°C)	80
Max Allowable Melt Temperature(°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

