



ENFLEX VU42035D-O

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 :	
Key Features :	Conductive TPV Excellent ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Low compression set and easy processing Colorable with proper MB (PE, PP, etc. based)
Process Method :	Extrusion, coextrusion, blow molding, sheet extrusion, injection/multi injection molding
Uses :	Automotive, construction, home appliances, wire&cable, industrial applications

	Value	Unit	Standard
Physical			
Hardness	35	SHORE D	ISO 868 (3 second)
Density	1,10	gr / cm3	ISO 1183 1-A
Mold Shrinkage (Parallel,23°C)	1,37-1,38	%	ISO 294-4,2577
Mold Shrinkage (Perpendicular,23°C)	1,25-1,26	%	ISO 294-4,2577
Brittleness Point	-45	°C	*
Mechanical			
100% Modulus	5,6	Mpa	ISO 37, DIN 53504
300% Modulus	-	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	5,7	Mpa	ISO 37, DIN 53504
Elongation at Break	125	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	44	kN/m	ISO 34-1
Electrical			
Surface Resistivity	10000	ohm	IEC 93
Thermal			
Max. Dynamic Service Temperature	110	°C	*





ENFLEX VU42035D-O

ENFLEX-V

Max. Static Service Temperature 135 °C *

Environmental Resistance

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

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

