



## Preliminary ENFLEX VL-545-60A-F0

### ENFLEX-V

<b>Product Description :</b>	This polyolefin based flame retardant thermoplastic elastomer (TPE-V) compound is halogen free and completely recyclable. ENFLEX® series can be processed with conventional thermoplastics machinery.
<b>Additive Packages :</b>	F / Heat and UV stabilizer and flame Retardant /
<b>Key Features :</b>	Rubberlike elasticity Ease of coloring (if needed) by proper MB (PE,PP,etc. based) Ease of processing Recyclability
<b>Process Method :</b>	Extrusion, coextrusion, sheet extrusion
<b>Uses :</b>	Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, transportation, electric&electronics, home appliances

	Value	Unit	Standard
<b>Physical</b>			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	1,09	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	1,3	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,9	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	2	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	300	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	9	N/mm	ISO 34-1 Method B
<b>Flammability</b>			
Flammability (1,6 mm)	V0	*	UL 94
Flammability ( 3,2 mm )	V0	*	UL 94

#### Environmental Resistance

Ozone	Excellent
Water	Excellent



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Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

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#### Drying Condition

Drying Time(hr)	2-3
Drying Temperature(°C)	80

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#### 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

