



ENFLEX® VO-584-60A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

General Information

Product Description

Dioxine Free Flame Retardant EPDM/PP series

Additive Packages :

F / Heat and UV stabilizer and Flame Retardant

Key Features :

Rubberlike elasticity

Ease of coloring by proper MB (PE,PP,etc. based)

Low compression set

Ease of processing

Recyclability

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Flame Retardant	• Heat Stabilizer	• UV Stabilizer
Features	• Chemical Resistant	• Good Processability	• Low Compression Set
	• Flame Retardant	• Heat Stabilized	• Recyclable Material
	• Good Colorability	• High Elasticity	• UV Stabilized
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.70	MPa	ISO 37
Tensile Stress (300% Strain)	2.90	MPa	ISO 37
Tensile Stress (Break)	5.30	MPa	ISO 37
Tensile Elongation (Break)	580	%	ISO 37
Tear Strength - Across Flow	26.0	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	60		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-55.0	°C	
Service Temperature - Dynamic	135	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	V-0		UL 94

ENFLEX® VO-584-60A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80 to 90	°C
Drying Time	2.0	hr
Hopper Temperature	170 to 180	°C
Middle Temperature	180 to 190	°C
Front Temperature	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Processing (Melt) Temp	210 to 220	°C
Mold Temperature	10 to 50	°C

Injection Notes

Max Allowable Melt Temperature: 250°C

Notes

¹ Typical properties: these are not to be construed as specifications.