



ENFLEX® VM-120-90A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

General Information

Product Description

Standard, fully vulcanized EPDM/PP series

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Rubberlike elasticity

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

Very low compression set

Ease of processing

Recyclability

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	5.50	MPa	ISO 37
Tensile Stress (300% Strain)	7.50	MPa	ISO 37
Tensile Stress (Break)	13.0	MPa	ISO 37
Tensile Elongation (Break)	530	%	ISO 37
Tear Strength - Across Flow	60.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
70°C, 22 hr	50	%	
100°C, 22 hr	61	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	90		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-45.0	°C	
Service Temperature			
Dynamic	125	°C	
Static	135	°C	

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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.