



ENFLEX® VU-424-70A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

General Information

Product Description

Economical, extrusion & injection, 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)

Low compression set

Easy of processing

Recyclability

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.80	MPa	ISO 37
Tensile Stress (300% Strain)	4.00	MPa	ISO 37
Tensile Stress (Break)	9.20	MPa	ISO 37
Tensile Elongation (Break)	690	%	ISO 37
Tear Strength - Across Flow	41.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	27	%	
70°C, 22 hr	40	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	70		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-45.0	°C	
Service Temperature			
Dynamic	110	°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.