



# ENFLEX® VU-424-85A

## 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 • Heat Stabilized • Recyclable Material • Good Colorability • High Elasticity • UV Stabilized • Good Processability • Low Compression Set
Processing Method	• Extrusion • Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	5.40	MPa	ISO 37
Tensile Stress (300% Strain)	6.80	MPa	ISO 37
Tensile Stress (Break)	14.0	MPa	ISO 37
Tensile Elongation (Break)	680	%	ISO 37
Tear Strength - Across Flow	76.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	31	%	
70°C, 22 hr	50	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	85		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

<sup>1</sup> Typical properties: these are not to be construed as specifications.