

ENFLEX VM-120-73A

Thermoplastic Vulcanizate
ENPLAST, a Ravago Group Company

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Good UV Resistance	• Ozone Resistant
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Density	0.970 g/cm ³	ISO 1183

Elastomers	Nominal Value Unit	Test Method
Tensile Stress		ISO 37
100% Strain	2.80 MPa	
300% Strain	4.70 MPa	
Tensile Stress (Break)	8.00 MPa	ISO 37
Tensile Elongation (Break)	550 %	ISO 37
Compression Set		ASTM D395B
23°C, 72.0 hr	25 %	
70°C, 22.0 hr	36 %	
100°C, 22.0 hr	40 %	

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A)	73	ISO 868

Additional Information

The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.
Tear Strength, ISO 34-2: 34 kN/m
Ozone Resistance, ISO 1431: No Crack

Injection	Nominal Value Unit
Drying Temperature	90.0 °C
Drying Time	2.0 hr
Rear Temperature	170 to 180 °C
Front Temperature	190 to 200 °C
Nozzle Temperature	200 to 210 °C
Processing (Melt) Temp	210 to 220 °C
Mold Temperature	10.0 to 50.0 °C
Screw L/D Ratio	20.0:1.0
Screw Compression Ratio	2.5:1.0

Notes

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