



ENSOFIT SD-320-90A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is low mineral filled, high performance and completely recyclable. ENSOFIT® series can be processed with conventional thermoplastics machinery

Additive Packages :

T / Heat and UV stabilizer

Key Features :

- Excellent ozone, UV and weathering resistance
- Rubberlike elasticity in a wide temperature range
- Low compression set
- Easy colorability with proper MB (PE, PP, etc. based)

Process Method :

Extrusion, coextrusion, sheet extrusion

Uses :

Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant	• High Elasticity	• UV Resistant
	• Good Colorability	• Low Compression Set	• UV Stabilized
	• Good Weather Resistance	• Ozone Resistant	
	• Heat Stabilized	• Recyclable Material	
Uses	• Appliances	• Furniture	• Seals
	• Automotive Applications	• Hose	• Tubing
	• Construction Applications	• Profiles	
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	6.70	MPa	ISO 37
Tensile Stress (300% Strain)	8.40	MPa	ISO 37
Tensile Stress (Break)	13.8	MPa	ISO 37
Tensile Elongation (Break)	640	%	ISO 37
Tear Strength - Across Flow	67.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	34	%	
70°C, 22 hr	58	%	

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	90		ISO 868

Thermal	Nominal Value	Unit
Brittleness Temperature	-55.0	°C
Service Temperature		
Dynamic	90	°C
Static	135	°C

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170 to 190	°C
Cylinder Zone 3 Temp.	180 to 195	°C
Cylinder Zone 5 Temp.	195 to 205	°C
Adapter Temperature	200 to 210	°C
Die Temperature	200 to 220	°C

Notes

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