



# ENSOFIT SD-300-90A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### Product Description

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

#### Additive Packages :

T / Heat and UV stabilizer

#### Key Features :

Translucent

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	
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Good Colorability • Good Weather Resistance • Heat Stabilized	• High Elasticity • Low Compression Set • Ozone Resistant • Recyclable Material	• UV Resistant • UV Stabilized
Uses	• Appliances • Automotive Applications • Construction Applications	• Furniture • Hose • Profiles	• Seals • Tubing
Appearance	• Translucent		
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183/A

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<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress (100% Strain)	7.90	MPa	ISO 37
Tensile Stress (300% Strain)	9.70	MPa	ISO 37
Tensile Stress (Break)	17.0	MPa	ISO 37
Tensile Elongation (Break)	> 800	%	ISO 37
Tear Strength - Across Flow	74.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	31	%	
70°C, 22 hr	62	%	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Shore Hardness (Shore A, 3 sec)	90		ISO 868
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	
Brittleness Temperature	-55.0	°C	
Service Temperature			
Dynamic	90	°C	
Static	135	°C	

**Processing Information**

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
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**

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