

## ENSOFIT SO-320-85A

### ENSOFIT-S



<b>Product Description :</b>	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
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Injection/multi injection molding
<b>Uses :</b>	Industrial applications, automotive, consumer goods, home&kitchen appliances
<b>Revision Date :</b>	-

	Value	Unit	Standard
<b>Physical</b>			
Hardness	85	SHORE A	ISO 868 (3 second )
Density	0,97	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
<b>Mechanical</b>			
100% Modulus	5,5	Mpa	ISO 37, DIN 53504
300% Modulus	7	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	13	Mpa	ISO 37, DIN 53504
Elongation at Break	680	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	62	kN/m	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	26	%	ASTM D 395-89-B
Compression Set (22h/70°C)	57	%	ASTM D 395-89-B
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	135	°C	*

## Ravago Manufacturing India Private Limited

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Format No: F-QC-20



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Rev.No:01

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#### Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

#### Drying Condition

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Drying Time(hr)	Not required
Drying Temperature(°C)	Not required

#### Molding Condition (°C)

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1st Zone (hopper)(°C)	150-160
2nd Zone(°C)	160-170
3rd Zone(°C)	170-180
Nozzle(°C)	185-190
Melt Temperature(°C)	190-200
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

#### Important Notice;

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The above results are obtained from the tests conducted in Enplast laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. ENPLAST accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.

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