



**Technical Data Sheet**

Last updated: 07/01/2011

# ENSOFT-S

## ENSOFT SM-300-55A

Product Description

Unfilled and high performance SEBS series

Additive Packages

T Heat and UV stabilizer

Properties	Value	Unit	Standard
<b>Physical</b>			
Hardness	55	SHORE A	ISO 868 (3 second )
Density	0,89	gr / cm3	ISO 2781
<b>Mechanical</b>			
100% Modulus	1,4	Mpa	ISO 37, DIN 53504
300% Modulus	2	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	6	Mpa	ISO 37, DIN 53504
Elongation at Break	555	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	35	kN/m	ISO 34-1
<b>Compression Set</b>			
Compression Set (72h/23°C)	20	%	ASTM D 395-89-B
Compression Set (22h/70°C)	42	%	ASTM D 395-89-B
<b>Thermal</b>			
Brittleness Point	-55	°C	*
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*

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### Features

Rubberlike elasticity  
Ease of coloring by proper MB (PE,PP,etc. based)  
Low compression set  
Ease of processing  
Recyclability

### Drying Condition

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

### Molding Condition (°C)

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

### Environmental Resistance

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

### Notes:

The above test results are obtained from laboratory injection molded ISO samples and cannot be used directly to determine end-use or design specification. The customer should determine the suitability to his/her application through their internal testing procedure. Datasheet values represent a statistical average or product properties and they may change with increasing data points.

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