



**ENSOFIT SO-160-50A**

**ENSOFIT-S**

<b>Product Description :</b>	This polyolefin based thermoplastic elastomer (SEBS) compound is produced high mineral filled 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 Easy colorability with proper MB (PE, PP, etc. based)
<b>Process Method :</b>	Injection/multi injection molding
<b>Uses :</b>	Industrial applications, automotive, personal care, toys, consumer goods, home&kitchen appliances

	Value	Unit	Standard
<b>Physical</b>			
Hardness	50	SHORE A	ISO 868 (3 second )
Density	1,18	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
<b>Mechanical</b>			
100% Modulus	1,3	Mpa	ISO 37, DIN 53504
300% Modulus	2,2	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4,5	Mpa	ISO 37, DIN 53504
Elongation at Break	640	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	25	kN/m	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	15	%	ASTM D 395-89-B
Compression Set (22h/70°C)	45	%	ASTM D 395-89-B
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*

**Resistance**



Ravago Petrokimya



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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

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Barrel Rear	150-160
Barrel Center	160-170
Barrel Front	170-180
Nozzle	185-190
Melt Temperature	190-200
Mould Temperature	10-50
Max Allowable Melt Temperature	250 C

