

## ENSOFT SO-161-50A

### ENSOFT-S



**Product Description :** This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery

**Additive Packages :** T / Heat and UV stabilizer  
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**Key Features :** Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Easy colorability with proper MB (PE, PP, etc. based)

**Process Method :** Injection/multi injection molding

**Uses :** Industrial applications, automotive, personal care, toys, consumer goods, home&kitchen appliances

**Revision Date :** 01.03.2023

	Value	Unit	Standard
<b>Physical</b>			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,18	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	0,8	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,3	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	5,7	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	800	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	20	N/mm	ISO 34-1 Method B
<b>Aging</b>			
Compression Set (72h/23°C)	18	%	ISO 815
Compression Set (22h/70°C)	27	%	ISO 815

#### Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair

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Rev.No:01

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Sulphuric Acid	Good
Detergent	Good
<b>Drying Condition</b>	
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
<b>Molding Condition (°C)</b>	
1st Zone (hopper)(°C)	170-180
2nd Zone(°C)	180-190
3rd Zone(°C)	190-200
Nozzle(°C)	200-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

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#### Important Notice;

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The above results are obtained from the tests conducted in Ravago Petrokimya 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. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.