

ENSOFT SO-249-50A

ENSOFT-S



Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is specifically designed for adhesion to PBT, PC, ABS, PC/ABS and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Adhesion to PBT, PC, ABS, PC/ABS 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, extrusion, coextrusion
Uses :	Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive
Revision Date :	01.09.2017

	Value	Unit	Standard
Physical			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,08	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
Mechanical			
100% Modulus	1,9	Mpa	ISO 37, DIN 53504
300% Modulus	3,8	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	6	Mpa	ISO 37, DIN 53504
Elongation at Break	440	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	24	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	28	%	ISO 815

Ravago Manufacturing India Pvt Ltd.

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Tal. Savali, Vadodara 391775. India
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Format No: F-QC-20



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Thermal

Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	135	°C	*

Environmental Resistance

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

Drying Condition

Drying Time(hr)	2-3
Drying Temperature(°C)	60-80

Molding Condition (°C)

1st Zone (hopper)(°C)	180-190
2nd Zone(°C)	190-200
3rd Zone(°C)	200-205
Nozzle(°C)	205-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	240

Important Notice;

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.

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