ENSOFT SO-652-40A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	D / Heat and UV stabilizer and lubricant /
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 :	01.02.2017

Data Sheet

	Value	Unit	Standard
Physical			
Hardness	40	SHORE A	ISO 868 (3 second)
Density	1,14	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
Mechanical			
100% Modulus	1,0	Mpa	ISO 37, DIN 53504
300% Modulus	1,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	5,0	Mpa	ISO 37, DIN 53504
Elongation at Break	800	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	20	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	23	%	ISO 815
Compression Set (22h/70°C)	39	%	ISO 815
Thermal			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*

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Environmental Resistance	
Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good
Drying Condition	
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
Molding Condition (°C)	
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

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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