ENSOFT SO-146-60A-T

ENSOFT-S

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and suitable for automotive interior applications with low fogging and odour requirements.

Additive Packages : T / Heat and UV stabilizer
/

Key Features : Low fogging and odour
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 molding

Uses : Automotive applications especially car mat

Revision Date : 01.03.2021

Data Sheet

	Value	Unit	Standard
Physical			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	1,10	gr / cm3	ISO 1183 1-A
Odor	1	Rel. (1-4)	BO 131-01
Mechanical			
100% Modulus	1,5	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,0	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	6,5	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	750	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	28	N/mm	ISO 34-1 Method B
Flammability			
Horizontal Burning Rate	<80	mm/min	FMVSS 49 CFR 571.302,ISO 3795
Thermal			
Fogging (100°C, 16 hr , post test condition 4 hr)	1,1	mg	DIN 75201 Method B, ISO 6452,SAE J1756
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)	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

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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