ENSOFT SD-564-50A

ENSOFT-S

Product Description : This polyolefin based flame retardant thermoplastic elastomer (SEBS) compound is dioxine free and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery.

Additive Packages : F / Heat and UV stabilizer and flame Retardant
/

Key Features : V0 at 1,6 mm acoording to UL94 (internally tested)
Excellent ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method : Extrusion, coextrusion, sheet extrusion

Uses : Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, transportation, wire&cable, electric&electronics, home appliances

Revision Date : 01.03.2023

Data Sheet

	Value	Unit	Standard
Physical			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,25	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	6,2	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	650	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	19	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	24	%	ISO 815
Compression Set (22h/70°C)	40	%	ISO 815
Flammability			
Flammability (1,6 mm)	V0	*	UL 94

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

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

Extrusion Condition (°C)	
Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220

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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