ENSOFT SD-641-55D

ENSOFT-S

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. 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
Extra smooth, silky surface appearance
Rubberlike elasticity in a wide temperature range
Ease of processing at lower temperatures
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, construction, home appliances, furniture

Revision Date : 01.06.2022

Data Sheet

	Value	Unit	Standard
Physical			
Hardness	55	SHORE D	ISO 868 (3 second)
Density	1,09	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	13,5	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	13	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	16	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	610	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	100	N/mm	ISO 34-1 Method B

Environmental Resistance	
Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair

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Sulphuric Acid	Good
Detergent	Good
Drying Condition	
Drying Time(hr)	Not required
Drying Temperature(°C)	Not required
Extrusion Condition (°C)	
Feed Zone Temperature (°C)	150 - 170
Compression Zone Temperature (°C)	160 - 175
Melting Zone Temperature (°C)	170 - 180
Extruder Head Temperature (°C)	180 - 190
Die Temperature (°C)	180 - 200

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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