Preliminary ENSOFT SO-181-60A

ENSOFT-S

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages : T / Heat and UV stabilizer
/

Key Features :
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,injection molding

Uses : Automotive, construction, home appliances, wire&cable, industrial applications

Revision Date : 01.02.2023

	Value	Unit	Standard
Physical			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	1,32	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,1	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,7	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	4,5	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	633	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	16	N/mm	ISO 34-1 Method B

Environmental Resistance	
Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good

Data Sheet

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Detergent	Good
Drying Condition	
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
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
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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