ENSOFT SL-164-55A

ENSOFT-S

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery.

Additive Packages : T / Heat and UV stabilizer
/

Key Features :
Rubberlike elasticity
Ease of coloring by proper MB (PE,PP,etc. based)
Medium compression set
Ease of processing (no pre-drying requested)
Recyclability

Process Method : Extrusion, coextrusion, sheet extrusion

Uses : Extruded parts (seals, tubes, profiles, hoses, etc.) for construction, home appliances, furniture

Revision Date : 01.09.2021

Data Sheet

	Value	Unit	Standard
Physical			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	1,21	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,2	Mpa	ISO 37, DIN 53504
300% Modulus	1,8	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4,2	Mpa	ISO 37, DIN 53504
Elongation at Break	550	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	23	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	20	%	ISO 815
Compression Set (22h/70°C)	60	%	ISO 815
Thermal			
Max. Static Service Temperature	110	°C	*

Environmental Resistance

Ravago Petrokimya Uretim A.S.
Main Office : *Coraklar Mah. 5000 Sokak No:7-17 A.O.S.B. Aliaga-Izmir-Turkey* ***Tel :*** *+90 850 314 70 99*
Plant : *Coraklar Mah. 5000 Sokak No:7-17 A.O.S.B. Aliaga-Izmir-Turkey* ***Fax :*** *+90 262 672 10 51*
Mail / Web : *info@ravagopetrokimya.com.tr* *www.ravagopetrokimya.com.tr*

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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
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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