



## ENSOFT SL-164-55A

### ENSOFT-S

<b>Product Description :</b>	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.
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	Rubberlike elasticity Ease of coloring by proper MB (PE,PP,etc. based) Medium compression set Ease of processing (no pre-drying requested) Recyclability
<b>Process Method :</b>	Extrusion, coextrusion, sheet extrusion
<b>Uses :</b>	Extruded parts (seals, tubes, profiles, hoses, etc.) for construction, home appliances, furniture

	Value	Unit	Standard
<b>Physical</b>			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	1,21	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
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
<b>Aging</b>			
Compression Set (72h/23°C)	20	%	ISO 815
Compression Set (22h/70°C)	60	%	ISO 815
<b>Thermal</b>			
Max. Static Service Temperature	110	°C	*

#### Environmental Resistance



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Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

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#### Drying Condition

Drying Time(hr)	Not required
Drying Temperature(°C)	Not required

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#### 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

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#### 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

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