



ENSOFT SL-164-60A

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
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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

	Value	Unit	Standard
Physical			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	1,21	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-55	°C	ASTM D746
Mechanical			
100% Modulus	1,65	Mpa	ISO 37, DIN 53504
300% Modulus	2,30	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4,00	Mpa	ISO 37, DIN 53504
Elongation at Break	580	%	ISO 37, DIN 53504
Aging			
Compression Set (72h/23°C)	35	%	ISO 815
Compression Set (22h/70°C)	63	%	ISO 815
Thermal			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	135	°C	*



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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

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

