



ENSOFT SL-674-80A

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) Ease of processing (no pre-drying requested) Recyclability
Process Method :	Extrusion, coextrusion, sheet extrusion
Uses :	Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

	Value	Unit	Standard
Physical			
Hardness	80	SHORE A	ISO 868 (3 second)
Density	1,18	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	3	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	3,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	7	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	>500	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	45	N/mm	ISO 34-1 Method B

Environmental Resistance

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

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

