



**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  
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**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

	Value	Unit	Standard
<b>Physical</b>			
Hardness	60	SHORE A	ISO 868 (3 second)
Density	1,32	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
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



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Detergent	Good
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#### 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

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#### 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

