



## ENSOFT SD-654-70A-D

### ENSOFT-S

<b>Product Description :</b>	This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. ENSOFT® series can be processed with conventional thermoplastics machinery
<b>Additive Packages :</b>	D / Heat and UV stabilizer and lubricant /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Extrusion, coextrusion, sheet extrusion
<b>Uses :</b>	Extruded parts(seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture.

	Value	Unit	Standard
<b>Physical</b>			
Hardness	70	SHORE A	ISO 868 (3 second )
Density	1,13	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	1,7	Mpa	ISO 37, DIN 53504
300% Modulus	2,6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	8,5	Mpa	ISO 37, DIN 53504
Elongation at Break	820	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	38	kN/m	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	21	%	ISO 815
Compression Set (22h/70°C)	68	%	ISO 815
<b>Thermal</b>			
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

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#### Drying Condition

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

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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

