



ENSOFT SD-641-90A

ENSOFT-S

Product Description :	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
Additive Packages :	D / Heat and UV stabilizer and lubricant /
Key Features :	Excellent 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
Uses :	Extruded parts(seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

	Value	Unit	Standard
Physical			
Hardness	90	SHORE A	ISO 868 (3 second)
Density	1,08	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
Mechanical			
100% Modulus	6,2	Mpa	ISO 37, DIN 53504
300% Modulus	8	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	16	Mpa	ISO 37, DIN 53504
Elongation at Break	600	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	81	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	40	%	ASTM D 395-89-B
Compression Set (22h/70°C)	63	%	ASTM D 395-89-B
Thermal			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°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

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