



ENSOFT SD-641-55D

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	55	SHORE D	ISO 868 (3 second)
Density	1,09	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	13,5	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	13	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	16	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	610	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	100	N/mm	ISO 34-1 Method B

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair



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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

