



ENSOFT SD-151-80A

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 :	Excellent ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range 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	80	SHORE A	ISO 868 (3 second)
Density	1,15	gr / cm ³	ISO 1183 1-A
Mechanical			
100% Modulus	2,4	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	3,4	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	10,8	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	681,3	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	29,9	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	30,7	%	ISO 815
Compression Set (22h/70°C)	45	%	ISO 815

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
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

