



ENSOFT SD-564-50A

ENSOFT-S

Product Description :	This polyolefin based flame retardant thermoplastic elastomer (SEBS) compound is dioxine free and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery.
Additive Packages :	F / Heat and UV stabilizer and flame Retardant /
Key Features :	V0 at 1,6 mm according to UL94 (internally tested) 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, transportation, wire&cable, electric&electronics, home appliances

	Value	Unit	Standard
Physical			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,25	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	6,2	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	650	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	19	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	24	%	ISO 815
Compression Set (22h/70°C)	40	%	ISO 815
Flammability			
Flammability (1,6 mm)	V0	*	UL 94





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Thermal

Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	135	°C	*

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)	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

