



**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
<b>Physical</b>			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,25	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
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
<b>Aging</b>			
Compression Set (72h/23°C)	24	%	ISO 815
Compression Set (22h/70°C)	40	%	ISO 815
<b>Flammability</b>			
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

