



ENSOFT SD-574-60A

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) good 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	60	SHORE A	ISO 868 (3 second)
Density	1,21	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-55	°C	ASTM D746
Mechanical			
100% Modulus	2,2	Mpa	ISO 37, DIN 53504
300% Modulus	2,6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	8	Mpa	ISO 37, DIN 53504
Elongation at Break	785	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	34	kN/m	ISO 34-1
Flammability			
Flammability (1,6 mm)	V0	*	UL 94
Thermal			
Max. Dynamic Service Temperature	90	°C	*



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Max. Static Service Temperature	135	°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)	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

