



ENSOFT SL-574-70A

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, w

	Value	Unit	Standard
Physical			
Hardness	70	SHORE A	ISO 868 (3 second)
Density	1,22	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-55	°C	ASTM D746
Mechanical			
100% Modulus	2,4	Mpa	ISO 37, DIN 53504
300% Modulus	3,3	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	9	Mpa	ISO 37, DIN 53504
Elongation at Break	750	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	37	N/mm	ISO 34-1
Aging			
Compression Set (72h/23°C)	23	%	ISO 815
Compression Set (22h/70°C)	45	%	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

