



Preliminary ENSOFT SD53570A

ENSOFT

Product Description : This polyolefin based flame retardant thermoplastic elastomer (SEBS) compound is halogen free SEBS series and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages : F / Heat and UV stabilizer and flame Retardant /

Key Features : Rubberlike elasticity
Ease of coloring (if needed) by proper MB (PE,PP,etc. based)
Ease of processing
Recyclability

Process Method : Extrusion, coextrusion, sheet extrusion

Uses : Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, transportation, electric&electronics, home appliances

	Value	Unit	Standard
Physical			
Hardness	70	SHORE A	ISO 868 (3 second)
Density	1,02	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	2,1	Mpa	ISO 37, DIN 53504
300% Modulus	3,1	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	7	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	650	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	36	N/mm	ISO 34-1
Aging			
Compression Set (72h/23°C)	23	%	ISO 815
Compression Set (22h/70°C)	39	%	ISO 815
Flammability			
Flammability (1,6 mm)	V0	*	UL 94
Flammability (3,2 mm)	V0	*	UL 94





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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)	2-3
Drying Temperature(°C)	80

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

