



## ENSOFT SO-564-50A

### ENSOFT-S

<b>Product Description :</b>	This polyolefin based flame retardant thermoplastic elastomer (SEBS) compound is dioxine free and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery.
<b>Additive Packages :</b>	F / Heat and UV stabilizer and flame Retardant /
<b>Key Features :</b>	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)
<b>Process Method :</b>	Injection/multi injection molding
<b>Uses :</b>	Electric&electronics, home appliances, automotive, industrial applications

	Value	Unit	Standard
<b>Physical</b>			
Hardness	50	SHORE A	ISO 868 (3 second )
Density	1,24	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-55	°C	ASTM D746
<b>Mechanical</b>			
100% Modulus	1,3	Mpa	ISO 37, DIN 53504
300% Modulus	2,4	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	5,5	Mpa	ISO 37, DIN 53504
Elongation at Break	621	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	24	kN/m	ISO 34-1
<b>Flammability</b>			
Flammability (1,6 mm)	V0	*	UL 94
Glow Wire Flammability Index GWFI (3 mm)	850	°C	IEC 60695-2-12
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*





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#### Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

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#### Drying Condition

Drying Time(hr)	Not required
Drying Temperature(°C)	Not required

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#### Molding Condition (°C)

1st Zone (hopper)(°C)	150-160
2nd Zone(°C)	160-170
3rd Zone(°C)	170-180
Nozzle(°C)	185-190
Melt Temperature(°C)	190-200
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

