



ENSOFT SX-320-45A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is low mineral filled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Excellent ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Low compression set Super high flow for difficult injection molding applications Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding
Uses :	Industrial applications, automotive, consumer goods, home&kitchen appliances

	Value	Unit	Standard
Physical			
Hardness	45	SHORE A	ISO 868 (3 second)
Density	0,98	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
Mechanical			
100% Modulus	0,9	Mpa	ISO 37, DIN 53504
300% Modulus	1,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	6	Mpa	ISO 37, DIN 53504
Elongation at Break	800	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	25	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	16	%	ASTM D 395-89-B
Compression Set (22h/70°C)	33	%	ASTM D 395-89-B
Thermal			
Max. Dynamic Service Temperature	90	°C	*





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Max. Static Service Temperature 110 °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

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

