



**ENSOFT SO-320-70A**

**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  
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**Key Features :** Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Low compression set  
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
<b>Physical</b>			
Hardness	70	SHORE A	ISO 868 (3 second )
Density	0,98	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
<b>Mechanical</b>			
100% Modulus	2,5	Mpa	ISO 37, DIN 53504
300% Modulus	3,6	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	9	Mpa	ISO 37, DIN 53504
Elongation at Break	740	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	40	kN/m	ISO 34-1
<b>Aging</b>			
Compression Set (72h/23°C)	19	%	ASTM D 395-89-B
Compression Set (22h/70°C)	45	%	ASTM D 395-89-B
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
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

**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

