



**ENSOFT SO-300-45A**

**ENSOFT-S**

<b>Product Description :</b>	This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, unfilled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	Translucent 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)
<b>Process Method :</b>	Injection/multi injection molding
<b>Uses :</b>	Industrial applications, personal care, toys, consumer goods, home&kitchen appliances

	Value	Unit	Standard
<b>Physical</b>			
Hardness	45	SHORE A	ISO 868 (3 second)
Density	0,89	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	0,9	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	9	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	830	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	18	N/mm	ISO 34-1 Method B
<b>Aging</b>			
Compression Set (72h/23°C)	20	%	ISO 815
Compression Set (22h/70°C)	35	%	ISO 815

**Environmental Resistance**

Ozone	Excellent
Water	Excellent
Alcohol	Excellent



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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

