



**ENSOFT SO-300-45D**

**ENSOFT-S**

**Product Description :** This polyolefin based thermoplastic elastomer (SEBS) compound is unfilled, 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 :** Translucent  
Good ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Easy colorability with proper MB (PE, PP, etc. based)

**Process Method :** Injection/multi injection molding

**Uses :** Industrial applications, personal care, toys, consumer goods, home&kitchen appliances

	Value	Unit	Standard
<b>Physical</b>			
Hardness	45	SHORE D	ISO 868 (3 second)
Density	0,9	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	10	Mpa	ISO 37, DIN 53504
300% Modulus	11	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	18	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	>550	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	90	N/mm	ISO 34-1

**Environmental Resistance**

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



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Detergent	Good
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#### **Drying Condition**

Drying Time(hr)	Not required
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Drying Temperature(°C)	Not required
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#### **Molding Condition (°C)**

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