



## ENSOFT SO-400-35A

### ENSOFT-S

<b>Product Description :</b>	This polyolefin based thermoplastic elastomer (SEBS) compound is transparent, unfilled 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>	Transparent 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>	Industrial applications, personal care, toys, consumer goods

	Value	Unit	Standard
<b>Physical</b>			
Hardness	35	SHORE A	ISO 868 (3 second)
Density	0,89	gr / cm3	ISO 1183 1-A
Brittleness Temperature	-55	°C	by DSC
<b>Mechanical</b>			
100% Modulus	0,7	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	1,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	5,5	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	650	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	20	N/mm	ISO 34-1 Method B
<b>Aging</b>			
Compression Set (72h/23°C)	19	%	ISO 815
Compression Set (22h/70°C)	35	%	ISO 815
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*



Ravago Petrokimya Uretim A.S.



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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

