



ENSOFT SO-141-90A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, medium mineral filled 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 Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding
Uses :	Industrial applications, automotive, personal care, toys, consumer goods, home&kitchen appliances

	Value	Unit	Standard
Physical			
Hardness	90	SHORE A	ISO 868 (3 second)
Density	1,08	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	3,8	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	4,7	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	11,4	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	640	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	38	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	35	%	ISO 815
Compression Set (22h/70°C)	52	%	ISO 815
Compression Set (22h/100°C)	70	%	ISO 815

Environmental Resistance

Environmental Resistance

Ozone	Excellent
Ozone	Excellent



Ravago Petrokimya Uretim A.S.



ENSOFT SO-141-90A

ENSOFT-S

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

Drying Condition

Drying Condition

Drying Time(hr)	Not required
Drying Time(hr)	Not required
Drying Temperature(C)	Not required
Drying Temperature(°C)	Not required

Molding Condition (°C)

Molding Condition (°C)

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





ENSOFT SO-141-90A

ENSOFT-S

Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C
Max Allowable Melt Temperature(°C)	250 C

