



ENSOFT SO-141-60A

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 :	D / Heat and UV stabilizer and lubricant /
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	60	SHORE A	ISO 868 (3 second)
Density	1,08	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,4	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,1	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	7,7	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	730	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	23	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	25	%	ISO 815
Compression Set (22h/70°C)	38	%	ISO 815
Compression Set (22h/100°C)	65	%	ISO 815

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent



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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

Extrusion Condition (°C)

Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220

