



ENSOFT SO-652-40A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and suitable for general purpose applications. 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	40	SHORE A	ISO 868 (3 second)
Density	1,14	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
Mechanical			
100% Modulus	1,0	Mpa	ISO 37, DIN 53504
300% Modulus	1,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	5,0	Mpa	ISO 37, DIN 53504
Elongation at Break	800	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	20	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	23	%	ISO 815
Compression Set (22h/70°C)	39	%	ISO 815
Thermal			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*





ENSOFT SO-652-40A

ENSOFT-S

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
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)	170-180
2nd Zone(°C)	180-190
3rd Zone(°C)	190-200
Nozzle(°C)	200-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

