



ENSOFT SD-154-55A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and possible alternative to replace PVC in various applications. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Good ozone and UV resistance Easy processing Rubberlike elasticity Easy colorability with proper MB (PE, PP, etc. based),
Process Method :	Extrusion, coextrusion, sheet extrusion
Uses :	Extruded parts (seals, tubes, profiles, hoses, etc.) for construction and furniture

	Value	Unit	Standard
Physical			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	1,17	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1	Mpa	ISO 37, DIN 53504
300% Modulus	1,7	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4	Mpa	ISO 37, DIN 53504
Elongation at Break	650	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	25	N/mm	ISO 34-1
Aging			
Compression Set (72h/23°C)	27	%	ISO 815
Thermal			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	110	°C	*
Environmental Resistance			
Ozone	Excellent		



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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)	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
