ENSOFT SD-641-55A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Excellent ozone, UV and weathering resistance
Extra smooth, silky surface appearance
Rubberlike elasticity in a wide temperature range
Ease of processing at lower temperatures
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Extrusion, coextrusion, sheet extrusion

Uses :
Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Good Colorability • Good Processability • Good Surface Finish	• Good Weather Resistance • Heat Stabilized • High Elasticity • Ozone Resistant	• Recyclable Material • UV Resistant • UV Stabilized
Uses	• Appliances • Automotive Applications • Construction Applications	• Furniture • Hose • Profiles	• Seals • Tubing
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm³	ISO 1183/A

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Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.50	MPa	ISO 37
Tensile Stress (300% Strain)	2.40	MPa	ISO 37
Tensile Stress (Break)	6.80	MPa	ISO 37
Tensile Elongation (Break)	800	%	ISO 37
Tear Strength - Across Flow	28.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	17	%	
70°C, 22 hr	47	%	

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	55		ISO 868

Thermal	Nominal Value	Unit
Brittleness Temperature	-55.0	°C
Service Temperature		
Dynamic	90	°C
Static	110	°C

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 170	°C
Cylinder Zone 3 Temp.	160 to 175	°C
Cylinder Zone 5 Temp.	170 to 180	°C
Adapter Temperature	180 to 190	°C
Die Temperature	180 to 200	°C

Notes

[1] Typical properties: these are not to be construed as specifications.