ENSOFT SD-150-50D

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and specifically designed for static parts of co-extruded seals. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Good ozone and UV resistance
Easy processsing
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Extrusion, coextrusion, sheet extrusion

Uses :
Extrusion systems for construction, furniture and automotive

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Good Colorability • Good Processability	• Heat Stabilized • Ozone Resistant • Recyclable Material	• UV Resistant • UV Stabilized
Uses	• Automotive Applications • Construction Applications	• Furniture • Seals	
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183/A

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	10.0	MPa	ISO 37
Tensile Stress (300% Strain)	11.5	MPa	ISO 37
Tensile Stress (Break)	14.0	MPa	ISO 37
Tensile Elongation (Break)	> 450	%	ISO 37
Tear Strength - Across Flow	110	kN/m	ISO 34-1

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	50		ISO 868

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Thermal	Nominal Value	Unit
Brittleness Temperature	-55.0	°C
Service Temperature		
Dynamic	90	°C
Static	135	°C

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170 to 190	°C
Cylinder Zone 3 Temp.	180 to 195	°C
Cylinder Zone 5 Temp.	195 to 205	°C
Adapter Temperature	200 to 210	°C
Die Temperature	200 to 220	°C

Notes

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