



ENSOFIT TO-350-80A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

High performance, high mineral filled SBS series for injection moulding

Additive Packages :
H / Heat stabilizer

Key Features :
Rubberlike elasticity
Ease of coloring by proper MB (PE,PP,etc. based)
Ease of processing
Recyclability

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer		
Features	• Chemical Resistant • Good Colorability	• Good Processability • Heat Stabilized	• High Elasticity • Recyclable Material
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.00	MPa	ISO 37
Tensile Stress (300% Strain)	3.80	MPa	ISO 37
Tensile Stress (Break)	4.90	MPa	ISO 37
Tensile Elongation (Break)	540	%	ISO 37
Tear Strength - Across Flow	35.0	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	80		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-40.0	°C	
Service Temperature			
Dynamic	70	°C	
Static	90	°C	

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Injection	Nominal Value	Unit
Hopper Temperature	150 to 160	°C
Middle Temperature	160 to 170	°C
Front Temperature	170 to 180	°C
Nozzle Temperature	185 to 190	°C
Processing (Melt) Temp	190 to 200	°C
Mold Temperature	10 to 50	°C

Injection Notes

Max Allowable Melt Temperature: 250°C

Notes

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