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Ravathane R130A90

Ravago Manufacturing Turkey - Thermoplastic Polyurethane Elastomer (Polyester)

General Information

Product Description

Description: Product is based on standard grade saturated polyester and has strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

Application: Auto part, shoes, cable, seals, conveyor belts, hose etc.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Abrasion Resistant • Good Tear Strength	• Hydrolysis Resistant • Oxidation Resistant	• Resilient
Uses	• Automotive Applications • Belts/Belt Repair	• Conveyor Parts • Footwear	• Hose • Seals
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183/A
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Abrasion Resistance	35.0	mm³	ISO 4649
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	7.00	MPa	ISO 37
Tensile Stress (300% Strain)	14.0	MPa	ISO 37
Tensile Stress (Yield)	40.0	MPa	ISO 37
Tensile Elongation (Break)	500	%	ISO 37
Tear Strength [2]	140	kN/m	ISO 34-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	90		ISO 868

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90 to 100	°C
Rear Temperature	195	°C
Middle Temperature	200	°C
Front Temperature	205	°C
Nozzle Temperature	210	°C
Injection Pressure	70.0	MPa

Notes

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

[2] Method Bb, Angle (Nicked)