



Ravathane R130D65

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: Wheel, shoes, injection part etc.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Abrasion Resistant	• Hydrolysis Resistant	• Resilient
	• Good Tear Strength	• Oxidation Resistant	• Solvent Resistant
Uses	• Footwear	• Wheels/Casters	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	40.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	22.0	MPa	ISO 37
Tensile Stress (300% Strain)	33.0	MPa	ISO 37
Tensile Stress (Yield)	43.0	MPa	ISO 37
Tensile Elongation (Break)	460	%	ISO 37
Tear Strength ²	250	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90 to 100	°C
Rear Temperature	200	°C
Middle Temperature	210	°C
Front Temperature	215	°C
Nozzle Temperature	220	°C
Injection Pressure	70.0	MPa

Notes

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

² Method Bb, Angle (Nicked)