



# Ravathane R130D50

## 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 • Good Tear Strength	• Hydrolysis Resistant • Oxidation Resistant	• Resilient
Uses	• Footwear	• Wheels/Casters	
Forms	• Pellets		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	35.0	mm <sup>3</sup>	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	14.0	MPa	ISO 37
Tensile Stress (300% Strain)	28.0	MPa	ISO 37
Tensile Stress (Yield)	42.0	MPa	ISO 37
Tensile Elongation (Break)	430	%	ISO 37
Tear Strength <sup>2</sup>	160	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	> 95		
Shore D	< 50		

### 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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Method Bb, Angle (Nicked)