



# Ravathane R130D70

## 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: Injection part, heel, shoes 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		
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	40.0	mm <sup>3</sup>	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	30.0	MPa	ISO 37
Tensile Stress (300% Strain)	35.0	MPa	ISO 37
Tensile Stress (Yield)	45.0	MPa	ISO 37
Tensile Elongation (Break)	440	%	ISO 37
Tear Strength <sup>2</sup>	260	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	100 to 110	°C
Rear Temperature	210	°C
Middle Temperature	215	°C
Front Temperature	220	°C
Nozzle Temperature	225	°C
Injection Pressure	75.0	MPa

#### Notes

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

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