



Ravathane R130A70UV

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: Compounding, working shoes, transparent parts etc.

Chemical Characteristics: Polymer based on polyurethane, plasticizer and UV stabilizing agent. This product include less than 20 % plasticizer and 0,4 % UV stabilizer.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Plasticizer: < 20%	• UV Stabilizer: < 4000 ppm	
Features	• Abrasion Resistant • Good Tear Strength • Hydrolysis Resistant	• Oxidation Resistant • Resilient • Solvent Resistant	• UV Stabilized
Uses	• Compounding	• Footwear	• Transparent Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183/A
Molding Shrinkage			ISO 2577
Across Flow	0.61	%	
Flow	0.63	%	
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	35.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.70	MPa	ISO 37
Tensile Stress (300% Strain)	5.50	MPa	ISO 37
Tensile Stress (Yield)	25.0	MPa	ISO 37
Tensile Elongation (Break)	850	%	ISO 37
Tear Strength ²	90.0	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	71		ISO 868

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Injection	Nominal Value	Unit
Drying Temperature	80 to 100	°C
Rear Temperature	170	°C
Middle Temperature	175	°C
Front Temperature	175	°C
Nozzle Temperature	180	°C
Injection Pressure	65.0	MPa

Notes

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

² Method Bb, Angle (Nicked)
