

Ravathane R130D50

Thermoplastic Polyurethane Elastomer (Polyester)

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Message:

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 Information			
Features	Good Abrasion Resistance		
	Good Tear Strength		
	Hydrolysis Resistant		
	Oxidation Resistant		
	Resilient		
Uses	Footwear		
	Wheels		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	> 95		
Shore D	< 50		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	35.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	14.0	MPa	
300% Strain	28.0	MPa	
Tensile Stress (Yield)	42.0	MPa	ISO 37
Tensile Elongation (Break)	430	%	ISO 37
Tear Strength ¹	160	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Rear Temperature	200	°C	
Middle Temperature	210	°C	
Front Temperature	215	°C	
Nozzle Temperature	220	°C	

Injection Pressure	70.0	MPa
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NOTE

1.	Method Bb, Angle (Nicked)
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