

# RAVATHANE<sup>®</sup>

## Ravathane<sup>®</sup> 140 A93



### Technical Data Sheet

#### PRODUCT DESCRIPTION

Aromatic polyester polyol based thermoplastic polyurethane with excellent mechanicals, tear and abrasion resistance, and oxidative stability.

#### MAIN APPLICATIONS

Profile extrusion,  
Hoses  
Wire and cable  
Other extruded parts

#### Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Hardness	ISO 868	Shore A	93
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,21
100% modulus	ISO 37	MPa	9
300% modulus	ISO 37	MPa	18
Tensile strength	ISO 37	MPa	50
Elongation at break	ISO 37	%	620
Tear strength	ISO 34-1 B/(b)	N/mm	170
Abrasion resistance	ISO 4649	mg	35

Based on injection molded plaques (12cmx12cmx2mm) conditioned 24 hours at room temperature before testing.

#### Recommended Starting Extrusion Temperature Profile

Die (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
190-210	190-210	185-205	180-200

Before processing, the pellets have to be dried at 90-105°C for 2-4 hours. Maximum moisture content should be below 0.02%