

# RAVATHANE®

## Ravathane® 165 A85



### Technical Data Sheet

#### PRODUCT DESCRIPTION

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

#### MAIN APPLICATIONS

Extrusion,  
Belting and profiles  
Film and sheet  
Lamination.

#### Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Hardness	ISO 868	Shore A	85
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,19
100% modulus	ISO 37	MPa	16
300% modulus	ISO 37	MPa	10
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/(b)	N/mm	100
Abrasion resistance	ISO 4649	mg	40

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)
170-190	175-195	175-195	170-190

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