

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 ³	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%