



RAVATHANE®

Ravathane® 165 D50 E10

Description: Thermoplastic polyurethane based on special polyester having strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

Application: Belting and profiles, film, and sheet.

Feature: Good transparency, low melting point.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore D	50
Density	ISO 1183-1 A	g/cm ³	1.22
100% modulus	ISO 37	MPa	13
300% modulus	ISO 37	MPa	25
Tensile strength	ISO 37	MPa	42
Elongation at break	ISO 37	%	610
Tear strength	ISO 34-1 B/b	N/mm	210
Abrasion Resistance	ISO 4649	mm ³	40

Properties have been tested on injection molded plaques conditioned 24 hours at room temperature before testing.

Before processing, the pellets have to be dried at 80-90 °C for 2-4 hours. Maximum moisture content should be below 0.02%.

Application Guideline (Extrusion)

Nozzle (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
185-205	190-210	190-210	185-205