



# RAVATHANE®

## Ravathane® 165 A85

**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, wire and cable coating, hoses, extrusion applications.

**Feature:** High transparency, easy processing.

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	85
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.19
100% modulus	ISO 37	MPa	6
300% modulus	ISO 37	MPa	10
Tensile strength	ISO 37	MPa	50
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/b	N/mm	100
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	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)
170-190	170-190	170-190	170-190