



# RAVATHANE®

## Technical Data Sheet

### Ravathane® 175 A85

**Description:** Polyester based aromatic thermoplastic polyurethane with excellent abrasion and tear resistance, hydrolytic stability, toughness, heat, oil, and solvent resistance.

**Application:** Flexible hoses, compounds, melt coating

**Features:** Easier compounding, good flow properties

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	84
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,18
100% modulus	ISO 37	MPa	6,0
300% modulus	ISO 37	MPa	10,0
Tensile strength	ISO 37	MPa	40
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/b	N/mm	100
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	30

Properties have been tested on extrusion tape conditioned 16 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	175-195	170-190	165-185