



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 240 A85 2ES

Description: Polyether based thermoplastic polyurethane with hydrophobic and non-sticky properties after processing for extrusion applications.

Application: Wire and cables, conveyor belts etc.

Features: Good hydrolysis resistance, resistance to microbes, very good mechanical properties, easy processing.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	86
Density	ISO 1183-1 A	g/cm ³	1,13
100% modulus	ISO 37	MPa	7,0
300% modulus	ISO 37	MPa	10,0
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	700
Tear strength	ISO 34-1 B/b	N/mm	120
Abrasion Resistance	ISO 4649	mm ³	40

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)
185-205	180-200	180-200	170-190