



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 240 A85 RS

Description: Polyether based thermoplastic polyurethane with resistance to microbiological attack, good wear performance, high tensile strength.

Application: Profile extrusion, hoses, wire and cable, conveyor belt, other extruded parts etc.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	85
Density	ISO 1183-1 A	g/cm ³	1,11
100% modulus	ISO 37	MPa	6,5
300% modulus	ISO 37	MPa	12
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/b	N/mm	135
Abrasion Resistance	ISO 4649	mm ³	40

Properties have been tested on injected plaque 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	175-195	170-190