



RAVATHANE®

Technical Data Sheet

Ravathane® 140 A85

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

Application: Profile extrusion, hoses, wire and cable, other extruded parts

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	85
Density	ISO 1183-1 A	g/cm ³	1,19
100% modulus	ISO 37	MPa	6,2
300% modulus	ISO 37	MPa	12
Tensile strength	ISO 37	MPa	47
Elongation at break	ISO 37	%	720
Tear strength	ISO 34-1 B/b	N/mm	130
Abrasion Resistance	ISO 4649	mm ³	40

Properties have been tested on extrusion tape 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)

Die (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
180-200	175-195	175-195	170-190