

**RAVATHANE®**



**Technical Data Sheet**

**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:** 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	6,0
300% modulus	ISO 37	MPa	10,0
Tensile strength at break	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 extrusion tapes conditioned 16 hours at room temperature before testing.

**Application Guideline (Extrusion)**

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
170-190	170-190	170-190	170-190