



RAVATHANE®

Technical Data Sheet

Ravathane® 141 A80 E10 SP

Description: Thermoplastic polyurethane based on special polyester having non blooming properties, strong resilience and tear resistance, excellent abrasion resistance, good stability towards solvents and light

Application: Film & Sheet, other extrusion processes and injection molding

Features: Non-blooming, hydrophobic surface

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	82
Density	ISO 1183-1 A	g/cm ³	1.18
100% modulus	ISO 37	MPa	6
300% modulus	ISO 37	MPa	9
Tensile strength	ISO 37	MPa	50
Elongation at break	ISO 37	%	630
Tear strength	ISO 34-1 B/b	N/mm	95
Abrasion Resistance	ISO 4649	mm ³	35

Properties have been tested on injection molded plaques 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)

Nozzle (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
180-200	190-210	190-210	180-200