



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 130 D70 UV

Description: Thermoplastic polyurethane based on polyester and has strong resilience and tear resistance, excellent abrasion resistance, high resistance to oxidation, good stability towards solvents and light.

Application: Injection molding.

Features: Increased UV resistance

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore D	70
Density	ISO 1183-1 A	g/cm ³	1,23
100% modulus	ISO 37	MPa	30
300% modulus	ISO 37	MPa	34
Tensile strength	ISO 37	MPa	40
Elongation at break	ISO 37	%	300
Tear strength	ISO 34-1 B/b	N/mm	260
Abrasion Resistance	ISO 4649	mm ³	45

Properties have been tested on injection molded plaques conditioned 24 hours at room temperature.

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
225-235	220-230	215-225	210-220

Before processing, the pellets have to be dried at 80-90 °C for 2-4 hours. Maximum moisture content should be below 0.02%.