



RAVATHANE®

Ravathane® 141 D60 D0

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: Injection molding

Features: Non blooming, low cycle time, easy processing

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore D	60
Density	ISO 1183-1 A	g/cm ³	1.22
100% modulus	ISO 37	MPa	17
300% modulus	ISO 37	MPa	35
Tensile strength	ISO 37	MPa	50
Elongation at break	ISO 37	%	450
Tear strength	ISO 34-1 B/b	N/mm	200
Abrasion Resistance	ISO 4649	mm ³	40

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

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
195-215	195-215	195-215	195-215

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