



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 100 A85

Description: Reprocessed thermoplastic polyurethane is based on standard grade saturated polyester and has strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

Application: Compounding, working shoes, transparent parts etc.

Feature: Reprocessed, wide range specs.

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	3
300% modulus	ISO 37	MPa	6
Tensile strength	ISO 37	MPa	15
Elongation at break	ISO 37	%	650
Tear strength	ISO 34-1 B/b	N/mm	80

Properties have been tested on injection molded plaques conditioned 16 hours at room temperature before testing.

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
180-190	175-185	175-185	170-180

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