

RAVATHANE®

Ravathane® 100 A90



Technical Data Sheet

PRODUCT DESCRIPTION

Aromatic polyester polyol based reprocessed thermoplastic polyurethane with excellent mechanicals, tear and abrasion resistance, and oxidative stability.

MAIN APPLICATIONS

Injection molding
Compounding

Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Hardness	ISO 868	Shore A	90-94
Density	ISO 1183-1 A	g/cm ³	1,17-119
100% modulus	ISO 37	Mpa	7-9
300% modulus	ISO 37	Mpa	10-12
Tensile strength	ISO 37	Mpa	18-25
Elongation at break	ISO 37	%	550-650
Tear strength	ISO 34-1 B/(b)	N/mm	90-120

Based on injection molded plaques (12cmx12cmx2mm) conditioned 24 hours at room temperature before testing.

Recommended Starting Injection Molding Temperature Profile

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
190-200	195-215	195-215	190-210

Before processing, the pellets have to be dried at 95-105°C for 2-4 hours. Maximum moisture content should be below 0.02%