

RAVATHANE®

Ravathane® 130 A90 TC



Technical Data Sheet

PRODUCT DESCRIPTION

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

MAIN APPLICATIONS

Injection molding

Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Hardness	ISO 868	Shore A	90
Density	ISO 1183-1 A	g/cm ³	1,20
100% modulus	ISO 37	Mpa	8
300% modulus	ISO 37	Mpa	15
Tensile strength	ISO 37	Mpa	45
Elongation at break	ISO 37	%	650
Tear strength	ISO 34-1 B/(b)	N/mm	150
Abrasion resistance	ISO 4649	mg	30

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)
185-205	190-210	190-210	185-205

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