

RAVATHANE[®]

Ravathane[®] 141 A65 HR



Technical Data Sheet

PRODUCT DESCRIPTION

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

Features: Hydrolytically stabilized.

MAIN APPLICATIONS

Injection molding

Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Hardness	ISO 868	Shore A	65
Density	ISO 1183-1 A	g/cm ³	1,16
100% modulus	ISO 37	MPa	3
300% modulus	ISO 37	MPa	4
Tensile strength	ISO 37	MPa	20
Elongation at break	ISO 37	%	950
Tear strength	ISO 34-1 B/(b)	N/mm	75
Abrasion resistance	ISO 4649	mg	35

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)
160-180	165-185	165-185	160-180

Before processing, the pellets have to be dried at 90-105°C for 2-4 hours. Maximum moisture content should be below 0.02%