



RAVATHANE®

Technical Data Sheet

Ravathane® 110 A65

Description: Plasticized thermoplastic polyurethane based on special polyester having good mechanical properties, high flow properties, easy processing, strong resilience, good abrasion resistance.

Application: Injection molding.

Features: Especially designed for footwear.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	65
Density	ISO 1183-1 A	g/cm ³	1,19
100% elongation	ISO 37	MPa	3,0
300% elongation	ISO 37	MPa	5,0
Tensile strength at break	ISO 37	MPa	25
Elongation at break	ISO 37	%	900
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion resistance	ISO 4649	mm ³	50

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)
150-160	155-165	155-165	150-160

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