

RAVATHANE®

Ravathane® AG135 A80



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	80
Density	ISO 1183-1 A	g/cm ³	1,21
100% modulus	ISO 37	MPa	5
300% modulus	ISO 37	MPa	7
Tensile strength	ISO 37	MPa	28
Elongation at break	ISO 37	%	850
Tear strength	ISO 34-1 B/(b)	N/mm	75
Abrasion resistance	ISO 4649	mg	40

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)
180-200	185-205	185-205	180-200

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