



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 120 A70

Description: Plasticized thermoplastic polyurethane based on polyester having strong resilience and tear resistance, excellent abrasion resistance, higher resistance to oxidation, good stability towards solvents.

Application: Injection molding.

Feature: Phthalate free.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	70
Density	ISO 1183-1 A	g/cm ³	1,18
Tensile stress at:			
-100% elongation	ISO 37	MPa	2,5
-300% elongation	ISO 37	MPa	6,0
Tensile strength at break	ISO 37	MPa	26
Elongation at break	ISO 37	%	900
Tear strength	ISO 34-1 B/b	N/mm	95
Abrasion resistance	ISO 4649	mm ³	40

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)
170-180	175-185	170-180	160-170

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