



RAVATHANE®

Technical Data Sheet

Ravathane® 130 A93

Description: Thermoplastic polyurethane is based on standard grade saturated polyester and has strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

Application: Injection molding.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	93
Density	ISO 1183-1 A	g/cm ³	1,21
Tensile stress at: -100% elongation	ISO 37	MPa	9,5
-300% elongation	ISO 37	MPa	19
Tensile strength at break	ISO 37	MPa	40
Elongation at break	ISO 37	%	575
Tear strength	ISO 34-1 B/b	N/mm	165
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)
210-220	205-215	205-215	200-210

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

Disclaimer: The information provided here is for reference only. We request that customers test our products in their application. We guarantee that our products will meet our written specifications. The customers are welcome to contact our customer and our technical service department in case of question about our products.



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