



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 110 A80 10SP

Description: Ravathane 110 A80 10SP is an aromatic polyester based TPU designed for molding in low temperatures, excellent abrasion resistance, good wear performance, rebound elasticity at good flexibility at low temperature, good tensile strength.

Application: shoe soles, technical parts, injected materials etc.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	80
Density	ISO 1183-1 A	g/cm ³	1,21
100% elongation	ISO 37	MPa	5,0
300% elongation	ISO 37	MPa	8,5
Tensile strength at break	ISO 37	MPa	35
Elongation at break	ISO 37	%	650
Abrasion resistance	ISO 4649	mm ³	50
Tear strength	ISO 34-1 B/b	N/mm	120

Properties have been tested on injection molded plaques conditioned 16 hours at room temperature before testing.

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
170-180	175-185	175-185	165-175

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