



# **RAVATHANE**<sup>®</sup>

## **Technical Data Sheet**

### **Ravathane<sup>®</sup> 110 A75**

**Description:** Ravathane 110 A75 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, injected parts.

### **Typical Properties**

<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>UNITS</b>	<b>VALUES</b>
Hardness	ISO 868	Shore A	75
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,18
100% elongation	ISO 37	MPa	3,7
300% elongation	ISO 37	MPa	6,5
Tensile strength at break	ISO 37	MPa	32
Elongation at break	ISO 37	%	1000
Tear strength	ISO 34-1 B/b	N/mm	100
Abrasion resistance	ISO 4649	mm <sup>3</sup>	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)
160-170	165-170	165-170	160-165

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