



# **RAVATHANE®**

## **Technical Data Sheet**

### **Ravathane® 110 A65**

**Description:** Plasticized thermoplastic polyurethane based on special polyester having good mechanical properties, high flow properties, easy processing, strong resilience, good abrasion resistance.

**Application:** Injection molding.

**Features:** Especially designed for footwear.

### **Typical Properties**

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	65
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,19
100% elongation	ISO 37	MPa	3,0
300% elongation	ISO 37	MPa	5,0
Tensile strength at break	ISO 37	MPa	25
Elongation at break	ISO 37	%	900
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion resistance	ISO 4649	mm <sup>3</sup>	50

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)
150-160	155-165	155-165	150-160

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