



# **RAVATHANE**<sup>®</sup>

## **Technical Data Sheet**

### **Ravathane<sup>®</sup> 240 A85 033**

**Description:** Polyether based thermoplastic polyurethane with hydrophobic and non-sticky properties after processing for extrusion applications.

**Application:** Wire and cables, conveyor belts, hoses and other extrusion applications

**Features:** Good hydrolysis resistance, resistance to microbes, very good mechanical properties, easy processing.

### **Typical Properties**

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	87
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,12
100% modulus	ISO 37	MPa	7
300% modulus	ISO 37	MPa	11
Tensile strength	ISO 37	MPa	42
Elongation at break	ISO 37	%	780
Tear strength	ISO 34-1 B/b	N/mm	165
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	40

Properties have been tested on extrusion tape conditioned 16 hours at room temperature before testing.

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

#### **Application Guideline (Extrusion)**

Nozzle (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
185-205	180-200	180-200	170-190