

## **Ravasafe® ZH TPU 80A R112M**

**Description:** Halogen free flame retardant polyether based thermoplastic polyurethane having outstanding UV and hydrolysis resistance, excellent mechanical properties, low temperature flexibility, and high resistance to micro-organisms designed for cable jacketing applications.

**Application:** Wire and Cable

### **Typical Properties**

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	82
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.11
100% modulus	ISO 37	MPa	4.60
300% modulus	ISO 37	MPa	7.80
Tensile strength	ISO 37	MPa	31
Elongation at break	ISO 37	%	630
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	65
Flammability	UL94	-	V2 (1.6 mm)

Properties have been tested on injection molded plaques conditioned 24 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)
165-185	170-190	170-190	165-185

**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.