

Ravasafe® ZH TPU 90A C301M

Description: Ravasafe ZH TPU 90A C301M is a halogen-free flame retardant polyether based thermoplastic polyurethane compound with outstanding hydrolysis resistance, low temperature flexibility and high resistance to micro-organisms designed for general purpose insulation & sheathing application

Ravasafe ZH TPU 90A C301M combines excellent flame retardancy, good processing and good mechanical properties.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	90
Density	ISO 1183-1 A	g/cm ³	1.18
Tensile strength	IEC 60811-501	MPa	>30
Elongation at break	IEC 60811-501	%	>500
Tear strength	ISO 34-1 B/b	N/mm	>90
Flammability	UL94	-	V0-V1 (1.6 mm)
Limiting Oxygen Index	ISO 4589-2	%	23

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

Before processing, the pellets have to be dried at 90-110°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)
170-190	175-195	175-195	170-190

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.