

Solvay Specialty Polymers Polidan® T/A-HF Polyethylene, Crosslinked (XLPE)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Crosslinkable

Material Notes:

POLIDAN® T/A-HF is a silane crosslinkable PE compound which is used together with a catalyst masterbatch to accelerate the crosslinking reaction. It is used for flexible crosslinkable pipes. Features: Crosslinkable; Good Processability; High Density Uses: Piping; Plumbing Parts; Potable Water Applications Additional Properties: Extruder Screw Compression Ratio - >2.5:1; Extruder Screw L/D Ratio - 25:1 to 30:1; Gel Content - EN 579 > 65 %; Head Temperature - 200 °C Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Polidan-TA-HF-Polyethylene-Crosslinked-XLPE.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in ³	ASTM D792
Melt Flow	0.50 g/10 min	0.50 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 20.0 MPa	>= 2900 psi	ASTM D638
Elongation at Break	>= 350 %	>= 350 %	ASTM D638
Tensile Modulus	0.670 GPa	97.2 ksi	ISO 527-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	190 µm/m-°C @Temperature 20.0 °C	106 µin/in-°F @Temperature 68.0 °F	1
Specific Heat Capacity	1.92 J/g-°C	0.459 BTU/lb-°F	ASTM C351
Thermal Conductivity	0.450 - 0.470 W/m-K	3.12 - 3.26 BTU-in/hr-ft ² -°F	ASTM C177
Vicat Softening Point	126 °C	259 °F	ASTM D1525

Compliance Properties	Metric	English	Comments
NSF	Yes	Yes	NSF 14; NSF 61

Processing Properties	Metric	English	Comments
Zone 1	150 - 200 °C	302 - 392 °F	
Zone 2	150 - 200 °C	302 - 392 °F	

Zone 3 Processing Properties	150 - 200 Â°C Metric	302 - 392 Â°F English	Comments
Zone 4	150 - 200 Â°C	302 - 392 Â°F	
Zone 5	150 - 200 Â°C	302 - 392 Â°F	
Die Cooling Temperature	210 Â°C	410 Â°F	

Descriptive Properties	Value	Comments
Agency Ratings	DVGW W270; ISO 15875 /2; ISO 9080 PE 80	
	ISO/DIS 12162 - MRS 8 MPa, PE80	
	KTW Unspecified Rating; NSF 14; NSF 61	
Availability	Asia Pacific	
	Europe	
	North America	
Processing Technique	Extrusion; Pipe Extrusion	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China