

Silon Taborex TA 1131 HD Chemically-Crosslinkable HDPE Compound

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

Material Notes:

TABOREX TA 1131 HD is a crosslinkable compound made by Silane grafted ethylene polymer. This graft polymer constitutes together with a Masterbatch containing the crosslinking catalyst a "SIOPLAS-SYSTEM". It is used for the production of multi-layer pipes for domestic hot and cold water, under floor heating and central heating application. It is designed to achieve best performance in co-extrusion processes. Information provided by Silon

Order this product through the following link:

http://www.lookpolymers.com/polymer_Silon-Taborex-TA-1131-HD-Chemically-Crosslinkable-HDPE-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.570 g/cc	0.0206 lb/in ³	DIN 53466
Density	0.954 g/cc	0.0345 lb/in ³	DIN 53479/ASTM D1505
Volatiles	<= 0.10 %	<= 0.10 %	ITM-ZP 300CH 3-5-5/d
Melt Flow	1.8 g/10 min	1.8 g/10 min	ISO 1133/ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	6.1 g/10 min	6.1 g/10 min	ISO 1133/ASTM D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.5 MPa	3840 psi	ISO R 527
Elongation at Break	250 %	250 %	ISO R 527

Processing Properties	Metric	English	Comments
Zone 1	160 - 170 °C	320 - 338 °F	
Zone 2	170 - 180 °C	338 - 356 °F	
Zone 3	170 - 190 °C	338 - 374 °F	
Zone 4	170 - 190 °C	338 - 374 °F	
Die Temperature	190 - 220 °C	374 - 428 °F	
Head Temperature	200 - 210 °C	392 - 410 °F	
Screw Cooling Temperature	70.0 - 90.0 °C	158 - 194 °F	

Descriptive Properties	Value	Comments
Gel content (%)	70	EN 579

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