

Silon Taborex TA 1108 HD Chemically-Crosslinkable HDPE Compound

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

Material Notes:

TABOREX TA 1108 HD is a crosslinkable compound according to the "SIOPLAS-SYSTEM"; made by a Silane grafted ethylene copolymer known as the graft and a Masterbatch containing the crosslinking catalyst. It is used for the production of flexible pipes with an improved surface quality for domestic hot and cold water, under floor heating and central heating application. Information provided by Silon

Order this product through the following link:

http://www.lookpolymers.com/polymer_Silon-Taborex-TA-1108-HD-Chemically-Crosslinkable-HDPE-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.530 g/cc	0.0191 lb/in ³	DIN 53466
Density	0.942 g/cc	0.0340 lb/in ³	DIN 53479/ASTM D1505
Volatiles	<= 0.10 %	<= 0.10 %	ITM-ZP 300CH 3-5-5/d
Melt Flow	2.3 g/10 min @Load 5.00 kg, Temperature 190 °C	2.3 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133/ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	19.0 MPa	2760 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 (%)	75	EN 579

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