

Silon Taborex TA 1133 HD Chemically-Crosslinkable HDPE Compound

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

Material Notes:

TABOREX TA 1133 HD is a crosslinkable compound made of 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 and under floor heating applications. 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-1133-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	0.952 g/cc	0.0344 lb/in ³	DIN 53479/ASTM D1505
Volatiles	<= 0.10 %	<= 0.10 %	ITM-ZP 300CH 3-5-5/d
Melt Flow	2.2 g/10 min @Load 5.00 kg, Temperature 190 Â°C	2.2 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133/ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	24.5 MPa	3550 psi	ISO R 527
Elongation at Break	230 %	230 %	ISO R 527

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

Descriptive Properties	Value	Comments
Gel content (%)	69	EN 579

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