TABOREX TA 1117 HD

High Density Polyethylene

SILON s.ro

Message:

A chemically-crosslinkable HDPE compound 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 single layer and co-extrusion products.
TABOREX TA 1117 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". Pipes which are produced with the SILON grade TABOREX TA 1117 HD fulfil the requirements of ASTM F876-04a, CSA 137.5-03, EN ISO 15875, BS 7291 and all related standards.
This system allows the compound to be extruded as a normal thermoplastic polymer, which will attain a high level of crosslinking in the processed form. The final product provides all the superior properties associated with crosslinked polyethylene.

General Information			
Features	Crosslinkable		
Uses	Piping system		
Forms	Sphere		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.948	g/cm³	DIN 53479, ASTM D1505
Apparent Density	0.54	g/cm³	DIN 53466
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
Volatile Matter [1]		%	Internal method
Gel Content	70	%	EN 579
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	450	%	ISO 527-2
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	160 - 170	°C	
Cylinder Zone 2 Temp.	170 - 180	°C	
Cylinder Zone 3 Temp.	170 - 190	°C	
Cylinder Zone 4 Temp.	170 - 190	°C	
Die Temperature	190 - 220	°C	
Extrusion instructions			
L/D: >25Compression ratio: 3:1 to 2.5 : 1Head: 200 to 210°CScrew: 70°C to 90 °C			
NOTE			
1.	ITN-ZP 300CH 3-5-5/d		

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