TABOREX TA 1110 MD

Medium Density Polyethylene

SILON s.ro

Message:

A chemically-crosslinkable MDPE compound for the production of high-flexible pipes for under floor heating application.
TA 1110 MD 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 produced with the SILON grade TA 1110 MD fulfil the requirements of DIN 16894 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 has all the improved properties associated with crosslinked polyethylene.

General Information			
Features	Crosslinkable		
Uses	Piping system		
Forms	Sphere		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.935	g/cm³	DIN 53479, ASTM D1505
Apparent Density	0.52	g/cm³	DIN 53466
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	3.3	g/10 min	Internal method
Moisture Content		%	Internal method
Volatile Matter		%	Internal method
Gel Content [1]	69	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	16.0	MPa	ISO 527-2
Tensile Strain (Break)	150	%	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.	DIN 16892/ ASTM F 876-99a		

Recommended distributors for this material

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