

# TABOREX® TA 1137 MD

Medium Density Polyethylene

SILON s.r.o.

## Message:

A chemically-crosslinkable MDPE compound for the production of flexible pipes with an improved surface quality for domestic hot and cold water, under floor heating and central heating application.

TABOREX-TA 1137 MD is a crosslinkable compound made by Silane grafted ethylene polymer. This graft polymer constitutes together with a TABOREX Masterbatch containing the crosslinking catalyst a "SIOPLAS-SYSTEM". Pipes which are produced with the SILON grade TABOREX-TA 1137 MD 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 and 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		
	Good flexibility		
	Medium density		
Uses	Piping system		
Agency Ratings	ASTM F 876		
	BS 7291		
	CSA B137.5		
	ISO 15875		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm <sup>3</sup>	DIN 53479, ASTM D1505
Apparent Density	0.52	g/cm <sup>3</sup>	DIN 53466
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	4.5	g/10 min	ASTM D1238, ISO 1133
Moisture Content		%	
Volatile Matter		%	Internal method
Gel Content	75	%	EN 579
Head Temperature	200 - 210	°C	
Extruder Screw Temperature	70 - 90	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	22.0	MPa	ISO 527-2
Tensile Strain (Break)	550	%	ISO 527-2
Flexural Modulus <sup>1</sup> (23°C)	580	MPa	ISO 178
Extrusion	Nominal Value	Unit	
Drying Temperature	80 - 90	°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

NOTE

1. 2.0 mm/min

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Recommended distributors for this material


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