

GETILAN ATP/144

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN is the trade-mark of our crosslinkable polythene.

GETILAN ATP/144 GRAFTING is a high density chemically crosslinkable polythene to produce relatively flexible hoses suitable for hydro-thermosanitary features and also for potable water conduction.

It is a conveniently grafted polythene able to react in presence of moisture and of catalyst. We normally suggest our type MAC/100 PSF.

REACTION BETWEEN GRAFTING AND CATALYST:

These two polythenes, separately stored, must be mixed before starting extrusion in the ratio:

GRAFTING/CATALYST 95/5

General Information			
Features	High density		
	Crosslinkable		
	Good flexibility		
Uses	Piping system		
Agency Ratings	DIN 16892		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.0 - 3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	IEC 60811
Tensile Strain (Break)	400	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ISO 306
Service Temperature	-60 - 100	°C	
Pressure Test			
95°C ¹	Pass		
95°C ²	Pass		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	165	°C	
Cylinder Zone 3 Temp.	170	°C	
Cylinder Zone 4 Temp.	180	°C	

Cylinder Zone 5 Temp.	190	°C
Die Temperature	190	°C

Extrusion instructions

CROSSLINKING: Crosslinking of the finished product is obtained by:
Immersion of the bobbin into hot water at 85/90°C for two hours (up to 3 mm thickness).
Steam treatment at 0.15 bar for 5/6 hours.

NOTE

- 1 hr, 4.8 MPa
- 1000 hr, 4.4 MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

