

GETILAN ATP/130 XP

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN ATP/130 XP is a crosslinkable polythene.
GETILAN ATP/130 XP is a high density chemically crosslinkable polythene to produce relatively flexible hoses suitable for hydro-thermosanitary features and also for 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
Certify: DIN 16892

General Information			
Features	High density		
	Crosslinkable		
Uses	Wire and cable applications		
	Pipe		
Agency Ratings	DIN 16892		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.947	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)	59		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	IEC 60811
Tensile Strain (Break)	370	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ASTM D1525
Service Temperature	-60 - 100	°C	
Pressure Test			
95°C ¹	Pass		
95°C ²	Pass		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	205	°C	
Cylinder Zone 5 Temp.	220	°C	

Die Temperature	225	°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.	1 hr, 4.8 MPa	
2.	1000 hr, 4.4 MPa	

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