

GETILAN ATP/190 X1 3A

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN is the trade-mark of our crosslinkable (SIOPLAS technology) polythene.

GETILAN ATP/190 X1 3A is a high density antifiame chemically crosslinkable polythene with high temperature index and low HCL content. Suitable for automotive cables insulation.

It is a conveniently grafted polythene able to react in presence of moisture and of catalyst. We normally suggest our catalyst type MAC/203 HS MAC/203 HSL (less reactive).

REACTION BETWEEN GRAFTING AND CATALYST:

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

GRAFTING/CATALYST 96/4

Certify: SAE J1127/J1128,FIAT 7.Z8220 T3 -T3 S,ISO 6722 Class C,LV 112

General Information			
Features	Crosslinkable		
	Flame retardancy		
Uses	Cable sheath		
	Application in Automobile Field		
Agency Ratings	ISO 6722 C		
	LV 112		
	SAE J1127		
	SAE J1128		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19.0	MPa	IEC 60811
Tensile Elongation (Break)	230	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	< 20	%	IEC 60811
Change in Tensile Strain at Break in Air (150°C, 168 hr)	< 20	%	IEC 60811
Heat Aging (175°C) ¹	Pass		
Service Temperature	-40 - 125	°C	
Thermoset ²			IEC 60811
200°C	40	%	IEC 60811

Residual : 200°C	-5.0	%	IEC 60811
Halogen Content		%	IEC 60754-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24 - 25	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 2 Temp.	170	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	200	°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 for bar 5/6 hours.
 Faster ambient curing is possible depending from the atmospheric conditions.

NOTE

1. 6 hr on mandrel
2. 20 N/cm²

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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

