GETILAN ATP/190 3AP

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN ATP/190 3AP is a crosslinkable (SIOPLAS technology) polyolefinic compound.
GETILAN ATP/190 3AP is a high density antiflame 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 or MAC/203 HSL (less reactive).
REACTION BETWEEN GRAFTING AND CATALYST:
These two polythenes, 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	High density Crosslinkable		
Uses	Wire and cable applications Insulating material Application in Automobile Field		
Agency Ratings	ISO 6722 C LV 112 SAE J1127 SAE J1128		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	18 - 25	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 Strength	> 14.0	MPa	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Aging	**Nominal Value**		**Test Method**
Heat Aging			IEC 60811
240 hr : 150°C	No Crack		IEC 60811
6 hr : 175°C	Pass		IEC 60811
Service Temperature	-40 - 125	°C	
Thermoset [1]			IEC 60811

200°C	50	%	IEC 60811
Residual : 200°C		%	IEC 60811
Halogen Content		%	IEC 60754-1

Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	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	235	°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.	20 N/cm^2

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

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