GETILAN ATP/130 XPE

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

Experimental
GETILAN ATP/130 XPE: high density chemically crosslinkable polythene for insulated aerial cables. It is a conveniently grafted polythene able to react in presence of moisture and of a catalyst. We normally suggest our catalyst type MAC/100PSF or MAC/203 HS (red cupper resistant). Adding 5/6% of RESTING HF G 147 the insulation can meetTMX1 Norma.
REACTION BETWEEN GRAFTING AND CATALYST:
These two compounds, separately stored, must be mixed before starting extrusion in the ratio: GRAFTING/CATALYST 95/5
Certify: HD 626 S1-TMX1

General Information			
Features	High density Crosslinkable		
Uses	Wire and cable applications Insulating material		
Agency Ratings	HD 626 S1, TIX-1		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.960	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.0 - 3.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	IEC 60811
Tensile Strain (Break)	400	%	IEC 60811
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air			IEC 60811
127°C, 40 hr [1]	7.0	%	IEC 60811
150°C, 168 hr [2]	12	%	IEC 60811
Change in Tensile Strain at Break in Air			IEC 60811
127°C, 40 hr [3]	-6.0	%	IEC 60811
150°C, 168 hr [4]	-16	%	IEC 60811
Thermal	**Nominal Value**	**Unit**	**Test Method**
Thermoset			IEC 60811
-- [5]	0.0	%	IEC 60811
150°C [6]	40	%	IEC 60811
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	> 1.0E+16	ohms·cm	BS 6622
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 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. Air crosslinking at natural temperatures and moisture, after a right number of days depending on climatic conditions, is possibile.

NOTE	
1.	Air Bomb
2.	Heat Aging
3.	Air Bomb
4.	Heat Aging
5.	Residual Value
6.	40 N/cm^2

Recommended distributors for this material

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