GETILAN GPE/400

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN is the trade-mark of our crosslinkable polythene.
GETILAN GPE/400:
medium density chemically crosslinkable compound for low voltage power cables insulation and sheathing. It is a conveniently grafted polythene able to react in presence of moisture and of catalyst. We normally suggest our type MAC/100 SCU or MAC/202 less in reaction speed.
REACTION BETWEEN GRAFTING AND CATALYST:
These two polythenes, separately stored, must be mixed before starting extrusion in the ratio: GRAFTING/CATALYST 95/5
Certify: IEC 60502-1 XLPE, EPR/HEPR,CEI 2011 G7,HD 22-1 EI7

General Information			
Features	Crosslinkable Medium density		
Uses	Low voltage insulation Cable sheath Cable sheath		
Agency Ratings	CEI 2011 G7 HD 22.1 EI7 IEC 60502		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	2.5	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	19.0	MPa	IEC 60811
Tensile Strain (Break)	550	%	IEC 60811
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air			IEC 60811
127°C, 40 hr [1]	-9.0	%	IEC 60811
150°C, 168 hr	-5.0	%	IEC 60811
Change in Tensile Strain at Break in Air			IEC 60811
127°C, 40 hr	-5.0	%	IEC 60811
150°C, 168 hr	-17	%	IEC 60811
Thermal	**Nominal Value**	**Unit**	**Test Method**
Thermoset [2] (250°C)	80	%	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.	185	°C
Cylinder Zone 3 Temp.	195	°C
Cylinder Zone 4 Temp.	200	°C
Cylinder Zone 5 Temp.	210	°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 some 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.	Air Bomb
2.	20 N/cm^2

Recommended distributors for this material

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WECHAT