



Granule Type: PP-M40

Cross-linkable Polyethylene Compound (XLPE)

Description:

PP-M40, demonstrates unique mechanical qualities, making it an optimal option for divers' industries especially cable manufacturing. Moreover, its ultra clean attributes render this product suitable for use in medium-voltage cables, reaching up to 46 kV.

General			
Material Status	Commercial: Active		
Additive	. Antioxidant		
Features	● Clean /High Purity	● Cross-linkable	● Good process ability
Uses	. Insulation		
Appearance	Natural color		
Forms	Pellets		
Packaging	25Kg sacks, one ton octabin		
Processing Method	Extrusion		
Physical & Mechanical Properties	Standard & Test Method	Unit	Typical Value
Density	IEC 60811-606	gr/cm ³	0.922
Melt Flow Index (MFI) (190 °C/5 kg)	IEC 60811-511	g/10 min	2
Tensile Strength	IEC 60811-501	MPa	Max 18
Tensile Strain		%	Max 450
Ageing(150°C,10days)			
Tensile Strength	IEC 60811-401	MPa	
Tensile Strain		%	Max 75
Hot Set(200°C, 0.20 MPa)			
Elongation under load,	IEC 60811-507	%	Max 100
Permanent Elongation After cooling		%	Max 5
Electrical			
DC Volume Resistivity	IEC 60093	Ω cm	Min 10 ¹⁶
Dielectric Constant	IEC 60250		Max 2.3
Dielectric Strength	IEC 60243-1	kV/mm	Min 30
Dissipation Factor 50 Hz	IEC 60250		Max 0.0003