

Fainplast CTX 65

Polyolefin
Fainplast Compounds S.r.l

Message:

This product is a flame retardant silane grafted compound for cable applications, Cross-linkable by heat and moisture by previous addition of a suitable catalyst masterbatch (SIOPLAS method).
Application: Sheathing of electrical cables with high flexibility, resistance to harsh weather conditions, oils and hydrocarbons.
Standard: EN 50363-2-1 type EM2, EN 50363-2-2 type EM5.

General Information			
Additive	Flame Retardant		
Features	Crosslinkable		
	Flame Retardant		
	Good Flexibility		
	Good Weather Resistance		
	Hydrocarbon Resistant		
	Oil Resistant		
Uses	Insulation Shield		
	Wire & Cable Applications		
Agency Ratings	EN 50363-2-1 type EM2		
	EN 50363-2-2 type EM5		
Physical	Nominal Value	Unit	Test Method
Density (Natural)	1.29	g/cm ³	ISO 1183
Environmental Stress-Cracking Resistance			IEC 60811-4-1
Condition A, 50°C, 3.00 mm, 100% Igepal	> 48.0	hr	
Condition B, 50°C, 3.00 mm, 100% Igepal	> 1000	hr	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	60 to 64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 14.0	MPa	ISO 527-2
Tensile Strain (Break)	> 710	%	ISO 527-2
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			IEC 60811-1-2
100°C, 240 hr	20	%	
136°C, 168 hr	-2.0	%	
Change in Ultimate Elongation in Air			IEC 60811-1-2
100°C, 240 hr	-6.0	%	

136°C, 168 hr	-10	%	
Change in Tensile Strength			IEC 60811-1-2
in Sunlight ¹	-10	%	
100°C, 24 hr, in IRM 902 Oil	-15	%	
121°C, 18 hr, in IRM 902 Oil	-25	%	
Change in Ultimate Elongation			IEC 60811-1-2
in Sunlight ²	-3.0	%	
100°C, 24 hr, in IRM 902 Oil	-2.0	%	
121°C, 18 hr, in IRM 902 Oil	-12	%	
Thermal	Nominal Value	Unit	Test Method
Cold Flexibility	-62 to -58	°C	ISO 458
Head Temperature	155	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27 to 29	%	ISO 4589-2
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	135	°C	
Cylinder Zone 3 Temp.	140	°C	
Cylinder Zone 4 Temp.	145	°C	
Adapter Temperature	150	°C	
Die Temperature	155	°C	
NOTE			
1.	UL 1581		
2.	UL 1581		

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