

FRAGOM XLC/900 OR

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM G XLC/900 OR is a flame retardant halogen free polyolefin thermoplastic compound.

FRAGOM G XLC/900 OR is a flexible flame retardant polyolefin thermoplastic compound having high temperature index and good oxygen index, suitable for OIL RESISTANT cable sheathing.

Study to Crosslinking by radiations, to pass 30,000 cycles and Sadomaso test.

General Information			
Features	Flame Retardant		
	Halogen Free		
	High Heat Resistance		
	Oil Resistant		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	BS 7655 LRS1-SW4		
	CEI 2011 M2		
	VDE 0207 HM3		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	33		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			IEC 60811
Yield ¹	> 10.0	MPa	
Yield ²	> 5.00	MPa	
Tensile Strain			IEC 60811
Break ³	> 150	%	
Break ⁴	> 250	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Stress ⁵ (100°C, 24 hr, in IRM 902 Oil)	< 20	%	IEC 60811
Change in Tensile Strain at Break ⁶ (100°C, 24 hr, in IRM 902 Oil)	< 20	%	IEC 60811

Flammability	Nominal Value	Unit	Test Method
Oxygen Index			ASTM D2863
-- ⁷	38	%	
-- ⁸	36	%	
Corrosive Gas in Smoke - pH	> 4.50		IEC 60754-2
Halogen Content	< 0.300	%	IEC 60754-1
Temperature Index (Burning) ⁹	300	°C	NES 715

Extrusion	Nominal Value	Unit
Drying Temperature	60.0 to 70.0	°C
Drying Time	2.0 to 3.0	hr
Cylinder Zone 1 Temp.	120	°C
Cylinder Zone 2 Temp.	135	°C
Cylinder Zone 3 Temp.	150	°C
Cylinder Zone 4 Temp.	165	°C
Cylinder Zone 5 Temp.	170	°C
Die Temperature	175	°C

NOTE

1. After Crosslinking
2. Before Crosslinking
3. After Crosslinking
4. Before Crosslinking
5. After Crosslinking
6. After Crosslinking
7. After Crosslinking
8. Before Crosslinking
9. 21% O₂

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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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