

FRAGOM PR/720

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM PR PR/720 is a flame retardant polyolefinic compound.

FRAGOM PR PR/720 is a halogen-free flame-retardant polyolefinic thermoplastic compound with high values of temperature index and oxygen index, very easy to process and suitable for cable sheathing.

General Information			
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
	High Heat Resistance		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	BS 7655 LTS1-2-3-4		
	CEI 2011 M1		
	VDE 0207 HM4		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			
190°C/21.6 kg	30	g/10 min	ASTM D1238
280°C/0.325 kg	2.0	g/10 min	IEC 60811
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	13.0	MPa	IEC 60811
Tensile Strain (Break)	150	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (110°C, 168 hr)	10	%	IEC 60811
Change in Tensile Strain at Break in Air (110°C, 168 hr)	-15	%	IEC 60811
Change in Tensile Stress			
in Hydrocarbons	< 10	%	ENI 018 100
70°C, 4 hr, in ASTM #2 Oil	< 20	%	IEC 60811

70°C, 4 hr, in SAE 20 Oil	< 20	%	IEC 60811
Change in Tensile Strain at Break			
in Hydrocarbons	< 10	%	ENI 018 100
70°C, 4 hr, in ASTM #2 Oil	< 20	%	IEC 60811
70°C, 4 hr, in SAE 20 Oil	< 20	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Hot Pressure Test - Penetration ¹ (90°C)	35	%	IEC 60811
Halogen Content	< 0.300	%	IEC 60754-1
Temperature Index (Burning) ²	300	°C	NES 715
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	40	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	110	°C	
Cylinder Zone 2 Temp.	135	°C	
Cylinder Zone 3 Temp.	1580	°C	
Cylinder Zone 4 Temp.	160	°C	
Cylinder Zone 5 Temp.	165	°C	
Die Temperature	175	°C	
NOTE			
1.	K=0.6, 4 hr		
2.	21% O ₂		

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