

FRAGOM PR/721

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM PR PR/720 is the trade-mark of our flame retardant polyolefinic compounds.

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.

The compound was developed to use in sheathing extrusion especially when the thickness is important (1,8-2,4 mm)

Certify: CEI 2011 M1,VDE 0207 HM2,BS 7655 LTS1-LTS3

General Information			
Features	Workability, good		
	Halogen-free		
	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
Agency Ratings	BS 7655 LTS 1-3		
	CEI 2011 M1		
	VDE 0207 HM2		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			
190°C/21.6 kg	20	g/10 min	ASTM D1238
280°C/0.325 kg	6.0	g/10 min	IEC 60811
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 13.0	MPa	IEC 60811
Tensile Strain (Break)	190	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	5.0	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-14	%	IEC 60811
Change in Tensile Strength (70°C, 4 hr, in SAE 20 Oil)	< 15	%	IEC 60811

Change in Tensile Strain at Break (70°C, 4 hr, in SAE 20 Oil)	< 10	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Hot Pressure Test - Penetration ¹ (80°C)		%	IEC 60811
Halogen Content		%	IEC 60754-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	40	%	ASTM D2863
Additional Information			
No detrimental effects on properties and capability of FRAGOM in presence of Masterbatch colours, black included.We suggest to dry masterbatch before using.			
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 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.	160	°C	
Cylinder Zone 5 Temp.	165	°C	
Die Temperature	175	°C	
NOTE			
1.	K=0.6, 4 hr		

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WECHAT