

FRAGOM PR/410 S4

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM PR PR/410 S4 is a flame retardant halogen free polyolefinic thermoplastic compounds.

FRAGOM PR PR/410 S4 is a flame-retardant polyolefinic thermoplastic compound having high temperature index and good oxygen index, suitable for cable sheathing and insulation.

General Information			
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
Uses	Cable Jacketing		
	Insulation		
	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	1.51	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
160°C/21.6 kg	14	g/10 min	
190°C/21.6 kg	40	g/10 min	
Water Absorption ¹ (100°C)	< 35.0	g/m ²	IEC 60811
Hot Pressure Test - Penetration ² (90°C)	25	%	IEC 60811
Corrosive Gas in Smoke - pH	> 4.50		IEC 60754-2
Halogen Content	0	%	IEC 60754-1
Temperature Index (Burning) ³	280	°C	NES 715
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	12.5	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)	6.0	%	IEC 60811

Change in Tensile Strain at Break in Air (110°C, 168 hr)	-4.0	%	IEC 60811
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	34	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	90.0	°C	
Cylinder Zone 2 Temp.	125	°C	
Cylinder Zone 3 Temp.	150	°C	
Cylinder Zone 4 Temp.	160	°C	
Cylinder Zone 5 Temp.	165	°C	
Die Temperature	170	°C	
NOTE			
1.	24 hr		
2.	K=0.7, 6 hr		
3.	21% O2		

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