FRAGOM PR/6 92

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM is the trade-mark of our flame retardant halogen free polyolefine thermoplastic compounds
FRAGOM PR/6 92 is a flame retardant polyolefine thermoplastic compound having high temperature index and good oxygen index, suitable for cable sheathing and insulation.
Certify: CEI 2011TM9,CEI 2022 II/III

General Information			
Features	Flame Retardant Halogen Free		
Uses	Cable Jacketing		
Agency Ratings	CEI 2011 TM9 CEI 2022 II/III		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.48	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.0	g/10 min	ASTM D1238
Water Absorption - 24 hr (100°C)	13.0	g/m²	IEC 60811
Hot Pressure Test - Penetration [1] (80°C)	30	%	
Corrosive Gas in Smoke - pH	> 4.30		IEC 60754-2
Halogen Content	< 0.300	%	IEC 60754-1
Temperature Index (Burning) [2]	> 330	°C	NES 715
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	180	%	ISO 527-2
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air (100°C, 168 hr)	20	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-18	%	IEC 60811
Change in Tensile Stress			ISO 1817
23°C, 4 hr, in Gasoline	-18	%	
70°C, 4 hr, in SAE 20 Oil	-20	%	
Change in Tensile Strain at Break			ISO 1817
23°C, 4 hr, in Gasoline	5.0	%	

70°C, 4 hr, in SAE 20 Oil	2.5	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	BS 6622
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	37	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	120	°C	
Cylinder Zone 2 Temp.	150	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	170	°C	
Cylinder Zone 5 Temp.	180	°C	
Die Temperature	185	°C	
NOTE			
1.	4 hr		
2.	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