

FRAGOM PR/112 HFR

Polyolefin
Crosspolimeri S.p.A.

Message:

FRAGOM: is the trade-mark of our flame retardant polyolefinic compounds.

FRAGOM PR/112 HFR: halogen-free flame-retardant thermoplastic compound suitable for automotive cables.

Exercise temperature: - 40 +125°C

Certify: ISO 6722 C, LV 112, FIAT 7.Z8220,9.91107 T3

General Information			
Features	Flame Retardant		
	Halogen Free		
Uses	Automotive Applications		
	Wire & Cable Applications		
Agency Ratings	ISO 6722 C		
	LV 112		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	3.0 to 8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 19.0	MPa	IEC 60811
Tensile Strain (Break)	> 150	%	IEC 60811
Abrasion Resistance - 0.50 mm ² size	> 3.0E+2	Cycles	
Heat Aging			IEC 60811
240 hr : 150°C	No Crack		
6 hr : 175°C	No Crack		
Halogen Content	< 0.100	%	IEC 60754-1
Head Temperature	220	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	2.0 to 3.0	hr	

Cylinder Zone 1 Temp.	180	°C
Cylinder Zone 2 Temp.	190	°C
Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 4 Temp.	210	°C
Die Temperature	230 to 240	°C

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