

MAJORIS AFR071

Polypropylene Copolymer

AD majoris

Message:

AFR071 is a low halogen flame retardant compound UL 94 V2, intended for extrusion and profiles. The product is available in natural but other colours can be provided on request
AFR071 is available in black 8229
AFR071 produce very low level of toxicity and low smoke density in the case of a fire.
AFR071 is especially designed for non-pressure pipe and thin-walled corrugated pipes.

General Information			
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Low Halogen Content		
	Low Smoke Emission		
	Low Toxicity		
	Recyclable Material		
Uses	Corrugated Pipe		
	Piping		
	Profiles		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/50
Flexural Modulus ¹	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	4.5	kJ/m ²	
23°C	61	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-2		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180	°C	
Cylinder Zone 2 Temp.	190	°C	
Cylinder Zone 3 Temp.	200	°C	
Cylinder Zone 4 Temp.	210	°C	
Melt Temperature	210 to 220	°C	
Head Temperature	210	°C	
Die Temperature	210	°C	
NOTE			
1.	2.0 mm/min		

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