

MAJORIS AFR961 - 8229

Polypropylene Copolymer

AD majoris

Message:

AFR961 - 8229 is a halogen free flame retardant compound UL 94 V0, intended for extrusion and profiles. The product is available in natural but other colours can be provided on request

AFR961 - 8229 produce very low level of toxicity and low smoke density in the case of a fire.

General Information			
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Halogen Free		
	Low Smoke Emission		
	Low Toxicity		
	Recyclable Material		
Uses	Profiles		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.06	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)	21.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus ¹	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	> 80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method

Flame Rating (0.800 mm)	V-0	UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C IEC 60695-2-12
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	180 to 190	°C
Cylinder Zone 3 Temp.	180 to 190	°C
Cylinder Zone 5 Temp.	180 to 190	°C
Melt Temperature	200	°C
Head Temperature	200	°C
Die Temperature	200	°C
NOTE		
1.	2.0 mm/min	

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