

MAJORIS AFR261 - 8229

Polypropylene Copolymer

AD majoris

Message:

AFR261 - 8229 is a low halogen flame retardant compound UL 94 V2, intended for blow moulding extrusion and profiles. The product is available in natural but other colours can be provided on request

AFR261 - 8229 produce low level of toxicity and low smoke density in the case of a fire.

APPLICATIONS

AFR261 - 8229 has been developed especially for very demanding applications in automotive industry and electrical parts (conform 2002/95/EC, RoHS directive).

Construction profiles or pipes

Extrusion parts

Miscellaneous technical components

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Copolymer		
	Flame Retardant		
	Heat Stabilized		
	Low Halogen Content		
	Low Smoke Emission		
	Low Toxicity		
	Recyclable Material		
Uses	Automotive Applications		
	Construction Applications		
	Electrical Parts		
	Piping		
	Profiles		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1850	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1680	MPa	ISO 178
Flexural Stress	34.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	117	°C	ISO 75-2/B
1.8 MPa, Unannealed	61.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Additional Information	Nominal Value		
Horizontal Flame Test ²	C2B		
Head Temperature	200	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
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	
Die Temperature	200	°C	
NOTE			
1.	2.0 mm/min		
2.	Test Method: D45 1333		

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