

MAJORIS AFR090 - 8229

Polypropylene Copolymer

AD majoris

Message:

AFR090 - 8229 is a halogen flame retardant compound UL 94 V0, intended for blow moulding extrusion and profiles.

APPLICATIONS

AFR090 - 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		
Features	Copolymer		
	Flame Retardant		
	Halogenated		
	Recyclable Material		
Uses	Automotive Applications		
	Construction Applications		
	Electrical Parts		
	Piping		
	Profiles		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	815	MPa	ISO 527-2/1
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	1130	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	69	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
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	
Head Temperature	200	°C	
Die Temperature	200	°C	
NOTE			
1.	2.0 mm/min		

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