

MAJORIS AFR067

Polypropylene Copolymer
AD majoris

Message:

AFR067 is a halogen free 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

AFR067 produce very low level of toxicity and low smoke density in the case of a fire. This quality is UV stabilised.

General Information			
Additive	Flame Retardant		
	UV Stabilizer		
Features	Copolymer		
	Flame Retardant		
	Good UV Resistance		
	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	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ISO 1133
Molding Shrinkage	1.6 to 1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	18.0	MPa	
Break	25.0	MPa	
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	12	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	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Ball Pressure Test (125°C)	Pass		NF C 61-303
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-2		
1.60 mm	V-2		
3.20 mm	V-0		
	960		
Glow Wire Flammability Index (2.00 mm)	850	°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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