

# ALTECH® PA6 A 4230/140 MR20 GF10 FR

Polyamide 6  
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 4230/140 MR20 GF10 FR is a polyamide 6 (nylon 6) product, which contains 10% glass fiber reinforced materials and 20% mineral fillers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH® The application fields of PA6 A 4230/140 MR20 GF10 FR include electrical/electronic applications and houses.

- Features include:
- flame retardant/rated flame
  - Comply with REACH standard
  - ROHS certification
  - Flame Retardant
  - Low shrinkage

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
	Mineral filler, 20% filler by weight		
Additive	Flame retardancy		
Features	Low shrinkage		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	20.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Lateral flow: 24 hours	0.70	%	ISO 294-4
Traffic: 24 hours	0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7300	MPa	ISO 527-2
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	6300	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength	4.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	30	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
Vicat Softening Temperature	208	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (0.75 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	80 - 100	°C	

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#### Recommended distributors for this material

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