

ALTECH® PA6 TG 2015/717 GF15

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 TG 2015/717 GF15 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 TG 2015/717 GF15 include automotive and housings.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Good Mold Release
- Good Toughness
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Mold Release		
	Good Toughness		
	Heat Stabilized		
	Impact Modified		
Uses	Automotive Applications		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.2	%	
Flow	0.20 to 0.40	%	
Moisture Content - Karl Fischer	0.10	%	ISO 15512
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	184	°C	ISO 75-2/A
Vicat Softening Temperature	202	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	2.0 to 12	hr	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 100	°C	

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