

ALTECH® PA6 A 2015/512 GF15 IM UV

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 2015/512 GF15 IM UV is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 A 2015/512 GF15 IM UV include engineering/industrial parts, automotive and construction applications. Characteristics include:
REACH Compliant
RoHS Compliant
UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	UV Stabilizer		
Uses	Automotive Applications		
	Bearings		
	Construction Applications		
	Gears		
	Pump Parts		
	Wheels		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	7.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2
Tensile Stress	105	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	4600	MPa	ISO 178
Flexural Stress	168	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m²	
-40°C	6.0	kJ/m²	
-20°C	6.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	66	kJ/m²	
-40°C	40	kJ/m²	
-20°C	44	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 12	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 100	°C	

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Recommended distributors for this material

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