

ALTECH® PBT + ASA A 4212/507 MR/GF12

Polybutylene Terephthalate + ASA

ALBIS PLASTIC GmbH

Message:

ALTECH® PBT + ASA A 4212/507 MR/GF12 is a Polybutylene Terephthalate + ASA (PBT+ASA) product filled with 12% glass\mineral. It is available in Asia Pacific, Europe, or North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

REACH Compliant

RoHS Compliant

Heat Stabilizer

Impact Modified

Warp Resistant

General Information			
Filler / Reinforcement	Glass\Mineral,12% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Heat Stabilized		
	Impact Modified		
	Low Warpage		
Uses	Fasteners		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.60 to 0.90	%	
Flow : 24 hr	0.70 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	4.0	kJ/m ²	
-40°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

--	30	kJ/m ²	
-40°C	20	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	123	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 115	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	60.0 to 100	°C	

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