

ALTECH® PBT + ASA A 2020/510 GF20

Polybutylene Terephthalate + ASA

ALBIS PLASTIC GmbH

Message:

ALTECH®PBT ASA 2020/510 GF20 is a polybutylene terephthalate ASA (PBT ASA) product, which contains glass fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: housing.

Features include:

Comply with REACH standard

ROHS certification

Impact modification

high liquidity

anti-warping

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Impact modifier		
Features	Impact modification		
	Low warpage		
	High liquidity		
Uses	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Lateral flow: 24 hours	0.80	%	ISO 294-4
Traffic: 24 hours	0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6850	MPa	ISO 527-2
Tensile Stress	95.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8960	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	5.0	kJ/m ²	ISO 179/1eA
-40°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	55	kJ/m ²	ISO 179/1eU

-40°C	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	198	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80 - 120	°C	
Drying Time - Desiccant Dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60 - 100	°C	

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Recommended distributors for this material

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