

ALTECH® PE-HD A 2020/506 GF20

High Density Polyethylene

ALBIS PLASTIC GmbH

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Technical Data

Product Description

ALTECH® PE-HD A 2020/506 GF20 is a High Density Polyethylene product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary characteristic: rohs compliant.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• ALBIS PLASTIC GmbH
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• High Density
RoHS Compliance	• RoHS Compliant

Physical	Nominal Value Unit	Test Method
Density	1.08 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/21.6 kg)	6.50 cm ³ /10min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2700 MPa	ISO 527-2
Tensile Stress (Break)	17.0 MPa	ISO 527-2
Tensile Strain (Break)	9.1 %	ISO 527-2
Flexural Modulus	2600 MPa	ISO 178
Flexural Stress	45.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
--	13 kJ/m ²	
-20°C	11 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU
--	29 kJ/m ²	
-20°C	26 kJ/m ²	

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/A
1.8 MPa, Unannealed	85.0 °C	
Vicat Softening Temperature	90.0 °C	ISO 306/B50

Injection	Nominal Value Unit
Processing (Melt) Temp	200 to 280 °C
Mold Temperature	20 to 60 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

ALBIS PLASTIC GmbH

Hamburg, Germany

Telephone: +49-40-781-050

Web: <http://www.albis.com/>

Distributor

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

Telephone: +49-40-78105-0

Web: <http://www.albis.com/>

Availability: Global

