

ALTECH® PE HD A 2010/506 GF10

High Density Polyethylene

ALBIS PLASTIC GmbH

Message:

ALTECH® PE HD A 2010/506 GF10 is a High Density Polyethylene product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Good Mold Release

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Flow		
	Good Mold Release		
	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/21.6 kg)	40.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress	25.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	11	kJ/m²	
-40°C	6.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		
-40°C	35	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	71.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Processing (Melt) Temp	200 to 280	°C
Mold Temperature	20.0 to 60.0	°C

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Recommended distributors for this material

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