

ALTECH® PE HD A 2040/500 GF40

High Density Polyethylene

ALBIS PLASTIC GmbH

Message:

ALTECH® PE HD A 2040/500 GF40 is a High Density Polyethylene product filled with 40% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/21.6 kg)	4.20	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress	30.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m²	
-40°C	7.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	25	kJ/m²	
-40°C	16	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	90.0	°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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