

ALTECH® ABS A 1000/566

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/566 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Heat Stabilizer

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	8.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	49.0	MPa	
--	45.0	MPa	
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress			ISO 178
--	68.0	MPa	
3.5% Strain	68.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	90	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.50 mm	HB	
3.00 mm	HB	
Glow Wire Flammability Index		IEC 60695-2-12
1.00 mm	650	°C
2.00 mm	650	°C
3.00 mm	650	°C
Injection	Nominal Value	Unit
Drying Temperature		
Circulation Dryer	80.0	°C
Desiccant Dryer	80.0	°C
Drying Time		
Circulation Dryer	3.0 to 6.0	hr
Desiccant Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	50.0 to 80.0	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

