

# ALTECH® PS A 1000/536 AS

High Impact Polystyrene

ALBIS PLASTIC GmbH

Message:

ALTECH® PS A 1000/536 AS is a High Impact Polystyrene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Housings.

Characteristics include:

REACH Compliant

RoHS Compliant

Antistatic

Impact Modified

General Information			
Additive	Antistatic		
	Impact Modifier		
Features	Antistatic		
	Impact Modified		
Uses	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	20.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	25.0	MPa	
--	24.0	MPa	
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	69.0	°C	ISO 75-2/A
Vicat Softening Temperature	80.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature - Circulation Dryer	60.0 to 80.0	°C
Drying Time - Circulation Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	180 to 280	°C
Mold Temperature	10.0 to 70.0	°C

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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

