

ALCOM® PS 500/2.2 C20-EMPERA116

General Purpose Polystyrene

ALBIS PLASTIC GmbH

Message:

ALCOM® PS 500/2.2 C20-EMPERA116 is a General Purpose Polystyrene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Medical/Healthcare.

Characteristics include:

REACH Compliant

RoHS Compliant

Low to No Odor/Taste

Stabilized

General Information			
Additive	Processing Stabilizer		
Features	Good Flow		
	Low to No Odor		
Uses	Medical Packaging		
	Personal Care		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	22.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress	40.0	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	9.0	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	60.0 to 80.0	°C	
Desiccant Dryer	60.0 to 80.0	°C	
Drying Time			
Circulation Dryer	2.0 to 3.0	hr	

Desiccant Dryer	2.0 to 3.0	hr
Processing (Melt) Temp	180 to 260	°C
Mold Temperature	10.0 to 70.0	°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

