

# ALCOM® MED PS 1000 04004

General Purpose Polystyrene

ALBIS PLASTIC GmbH

Message:

ALCOM®MED PS 1000 04004 is a general-purpose polystyrene product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®MED PS 1000 04004 applications include medical/health care and packaging.

- Features include:
- Comply with REACH standard
  - ROHS certification
  - Stable
  - odorless/tasteless channel

General Information			
Additive	Processing stabilizer		
Features	Good liquidity		
	The smell is low to none		
Uses	Packaging		
	Personal care		
	Medical/nursing supplies		
	Medical packaging		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
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	3400	MPa	ISO 527-2
Tensile Stress	36.0	MPa	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	7.0	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			
Dehumidification desiccant	60 - 80	°C	
Hot air dryer	60 - 80	°C	

Drying Time		
Dehumidification desiccant	2.0 - 3.0	hr
Hot air dryer	2.0 - 3.0	hr
Processing (Melt) Temp	180 - 260	°C
Mold Temperature	10 - 70	°C

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#### Recommended distributors for this material

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