

Starpylen MFK42AS

Polypropylene

Eurostar Engineering Plastics

Message:

Starpylen MFK42AS is a Mineral Filled, Glass Fiber Reinforced, Polypropylene Injection Molding Resin

General Information			
Filler / Reinforcement	Glass\Mineral		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.50	%	Internal Method
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	47.0	MPa	
Break	45.0	MPa	
Tensile Strain (Yield)	2.3	%	ISO 527-2/5
Flexural Modulus ¹	4800	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	74.0	MPa	
-- ⁴	37.0	MPa	
Flexural Strain at Break ⁵	5.4	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁸ (1.8 MPa, Unannealed, 64.0 mm Span)	99.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	5.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	195 to 205	°C	
Middle Temperature	215 to 225	°C	
Front Temperature	225 to 250	°C	

Processing (Melt) Temp	225 to 250	°C
Mold Temperature	30.0 to 50.0	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	Yield	
4.	Break	
5.	2.0 mm/min	
6.	80*10*4	
7.	80*10*4	
8.	80*10*4	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

