

SCHULAMID® 6 GBF 3020 K1697

Polyamide 6

A. Schulman Europe

Message:

30% glass fibre and glass bead reinforced PA 6

General Information				
Filler / Reinforcement	Glass Beads \Glass Fiber, 30% Filler by Weight			
Features	Low warpage High strength			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183/A
Viscosity Number	147	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7500	4250	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	148	90.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.3	10	%	ISO 527-2/1A/5
Flexural Modulus ¹	6200	--	MPa	ISO 178
Flexural Stress ²				ISO 178
3.5% strain	185	--	MPa	ISO 178
5.5% strain	205	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.2	--	kJ/m ²	ISO 179/1eA
23°C	95	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	55	--	kJ/m ²	ISO 179/1eU
23°C	70	97	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	218	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	193	--	°C	ISO 75-2/Af
Vicat Softening Temperature	214	--	°C	ISO 306/B50
Additional Information				

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1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

NOTE

1. 2.0 mm/min

2. 2.0 mm/min

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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

