SCHULAMID® 66 GF 30 GID K1802

Polyamide 66

A. Schulman Europe

Message:

30% glass fibre reinforced Polyamide 66, optimized for GID- processes

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	PA66-GF			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.37	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	9700	5700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	175	110	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.2	8.0	%	ISO 527-2/1A/5
Flexural Modulus	8000	--	MPa	ISO 178
Flexural Stress	250	--	MPa	ISO 178
Flexural Strain at Flexural Strength	4.7	--	%	ISO 178
Flammability	< 100	--	mm/min	FMVSS 302
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1
-30°C	8.0	--	kJ/m²	
23°C	13	19	kJ/m²	
Charpy Unnotched Impact Strength				
--	--	98	kJ/m²	ISO 179/1U
-30°C	72	--	kJ/m²	ISO 179/1U
23°C	80	--	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	> 250	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	242	--	°C	ISO 75-2/Af
Vicat Softening Temperature	> 250	--	°C	ISO 306/A50, ISO 306/B50
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Glow Wire Flammability Index				IEC 60695-2-12

1.50 mm	650	--	°C	
3.00 mm	675	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	675	--	°C	
3.00 mm	700	--	°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

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