AKROMID® B28 GF 50 1 GIT black (5649)

Polyamide 6

AKRO-PLASTIC GmbH

Message:

AKROMID® B28 GF 50 1 GIT black (5649) is a 50% glass fibre reinforced, heat stabilised, easy flowing polyamide 6 with very high stiffness and strength for gas injection technology.
Applications are engineering parts, which are produced by gas injection technology. Furthermore B28 GF 50 1 GIT black (5649) can be used for standard injection moulding for demanding surface quality.

General Information	
Filler / Reinforcement	Glass Fiber,50% Filler by Weight
Additive	Heat Stabilizer
Features	Good Flow Good Surface Finish Heat Stabilized High Stiffness High Strength
Uses	Engineering Parts
Appearance	Black
Processing Method	Gas-Assisted Injection Molding Injection Molding
Resin ID (ISO 1043)	PA6 GF50

Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.55	--	g/cm³	ISO 1183
Humidity Absorption - 62% RH (70°C)	1.7	--	%	ISO 1110
Reinforcement Content	50	--	%	ISO 1172
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	16700	10500	MPa	ISO 527-2/1
Tensile Stress (Break)	235	150	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	4.5	%	ISO 527-2/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	20	25	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	110	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Melting Temperature [1]	220	--	°C	DIN EN 11357-1
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate [2] (1.00 mm)	< 100	--	mm/min	FMVSS 302

Flame Rating (0.800 mm)	HB	--	UL 94

NOTE	
1.	10 K/min, DSC
2.	>1 mm

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