

Hill's Premier Polymers Ltd

Fernbank Mill, Barnoldswick BB18 5RZ

Tel : 01282 850777 Fax: 01282 850222

NYLON 6 B601 GF30% HS Glass Fibre Filled B601 GF30 HS BK

PROPERTY	TEST METHOD ASTM	TEST METHOD ISO EQUIV	UNITS	VALUE
				30%
Physical				
Specific gravity	D792	ISO 1183	kg/m ³	1.36
Water Absorbtion	D570	ISO 62	%	1.1
Mould Shrinkage (flow)		ISO 2577	%	0.35
Mechanical				
Tensile Strength	D638	ISO 527	MPa	140
Elongation at break	D638	ISO 527	%	4
Flexural Strength	D790	ISO 178	MPa	210
Flexural modulus	D790	ISO 178	Gpa	7
Notched Charpy Impact		ISO 179/1eA	kJ/m ²	15
Unnotched Charpy Impact		ISO 179/1eU	kJ/m ²	45
Thermal				
Melting Point		ISO 3146	C°	220
Vicat Softening Point	D789	ISO 12188	C°	
Deflection Temperature	D648	ISO 75	C°	
			A 1.85 Mpa	200
			A0.46 Mpa	210
Flammability				
UL94	m/m	ISO 75		V2

ISO 9002 N° 1982/99 (ISOQAR)

ALL DATA GENERATED FROM SPECIMENS MOULDED IN NATURAL MATERIAL, STORED IN A DRY ATMOSPHERE (NO MORE THAN 0.2% MOISTURE). THE INCLUSION OF COLOUR PIGMENTS OR OTHER ADDITIVES MAY CHANGE SOME OF THE TEST RESULTS.

ALL TECHNICAL INFORMATION SUPPLIED IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE. HOWEVER AS SERVICING AND PROCESSING CONDITIONS ARE BEYOND OUR CONTROL. THE INFORMATION IS GIVEN WITHOUT WARRANTY OR GUARANTEE, AND IS INTENDED FOR INITIAL GUIDANCE OR COMPARATIVE PURPOSES.