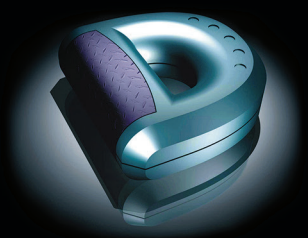
GLASS FILLED (PX245)

Ideal for making prototype parts and mock-ups with mechanical properties similar to thermoplastics like polyoxymethylene and polyamide.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- Simulation of filled ABS, PA 6.6 and POM white filled with glass fibre.

PROPERTIES:

- High flexural modulus of elasticity
- High reproduction accuracy
- Can be easily coloured with CP pigments
- Fast demoulding

PHYSICAL PROPERTIES

		MIXING
Color - PX 245/B		off-white
Specific gravity at 23°C	ISO 2781 :1996	1.22

MECHANICAL PROPERTIES

	TEST STANDARD	UNIT	VALUE
Flexural modulus of elasticity	ISO 178 :2001	MPa	4500
Flexural strength	ISO 178 :2001	MPa	150
Tensile strength	ISO 527 :1993	MPa	85
Elongation at break in tension	ISO 527 :1993	%	3
Charpy impact strength	ISO 179/1eU :1994	KJ/m^2	30
Hardness - at 23°C	ISO 868 :2003	Shore D1	85
Hardness - at 80°C	ISO 868 :2003	Shore D1	80

THERMAL AND SPECIFIC PROPERTIES

	TEST STANDARD	UNIT	VALUE
Glass transition temperature [1]	ISO 11359 : 2002	°C	95
Heat deflection temperature [1]	ISO 75Ae :2004	°C	92

[1]. Average values obtained on standardized specimens/Hardening 12 hours at 80°C.

The information in this data sheet, as supplied by the material manufacturers, is provided for general guidance only, in good faith and without warranty. The performance characteristics may vary depending on the application, operating conditions or other materials in combination and it is the responsibility of the customer to determine the suitability of the product for its end use.

DRUMLORD LTD UNIT 6, DARREN DRIVE PRINCE OF WALES INDUSTRIAL ESTATE ABERCARN, NEWPORT NP11 5AR | T +44 (0)1495 249232 F: +44 (0)1495 249050 E: MAIL@DRUMLORD.CO.UK DRUMLORD.CO.UK