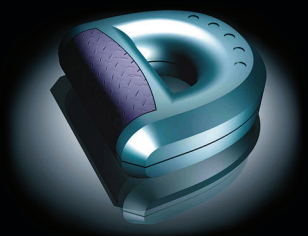
HIGH TEMPERATURE (PX234 HT)

Ideal for prototype parts and mock-ups whose mechanical properties are close to those of thermoplastics with high temperature resistance.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- High Thermal Resistance
- Mimics PA6.6, PEEK, PPS

PROPERTIES:

- Good thermal resistance
- Good impact resistance
- Colourable

PHYSICAL PROPERTIES

		MIXING
Color		light amber
Specific gravity at 23°C	ISO 2781 :1988	1.19

MECHANICAL PROPERTIES AT 23°C AFTER HARDENING [1]

	TEST STANDARD	UNIT	VALUE
Final hardness	ISO 868 : 1985	Shore D/1	80
Hardness at 130°C	ISO 868 : 1985	Shore D/1	70
Hardness at 150°C	ISO 868 : 1985	Shore D/1	65
Tensile modulus of elasticity	ISO 527 : 1993	MPa	1.800
Tensile strength	ISO 527 : 1993	MPa	61
Flexural modulus of elasticity	ISO 178 : 2001	MPa	1.850
Maximal flexural strength	ISO 178 : 2001	MPa	80
Elongation at break in tension	ISO 37 : 1994	%	13
CHARPY impact strength	ISO 179/2D : 1994	kJ/m2	41

THERMAL AND SPECIFIC PROPERTIES[1]

	TEST STANDARD	UNIT	VALUE
Glass transition temperature [1]	T.M.A.-Mettler	°C	220
Coefficient of linear thermal expansion ($C_L TE$) [+20, +130]°C	T.M.A.-Mettler	10^{-6} K^{-1}	120

[1]. Average values obtained on standard specimens/Hardening 1 hr at 70°C + 72 hr at 130°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