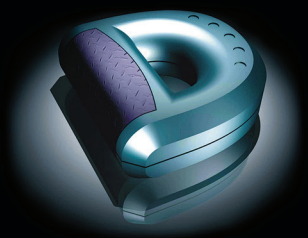
POM/AUTOMOTIVE (PX223 HT)

An excellent all-round material with good temperature resistance and flexibility. Popular in automotive prototyping and short production run applications.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- Automotive
- Snap Fits
- Good Chemical Resistance
- ABS-like

PROPERTIES:

- Good impact and flexural resistance
- Temperature resistance above 120°C

PHYSICAL PROPERTIES

COMPOSITION		MIXING
Color		black
Density of cured mixing at 23°C	ISO 2781 :1988	1.14

MECHANICAL PROPERTIES AT 23°C [1]

	TEST STANDARD	UNIT	VALUE
Flexural modulus of elasticity	ISO 178 :2001	MPa	2.300
Flexural strength	ISO 178 :2001	MPa	80
Tensile strength	ISO 527 :1993	MPa	60
Elongation at break in tension	ISO 527 :1993	%	11
Charpy impact strength	ISO 179/2D :1994	KJ/m^2	> 60
Hardness - at 23°C	ISO 868 :1985	Shore D1	80
Hardness - at 120°C	ISO 868 :1985	Shore D1	> 65

THERMAL AND SPECIFIC PROPERTIES[1]

	TEST STANDARD	UNIT	VALUE
Glass transition temperature	T.M.A.-Mettler	°C	> 120
Coefficient of linear thermal expansion (C_LTE) [+15, +120]°C	T.M.A.-Mettler	ppm/K	115

[1]. Average values obtained on standardized specimens / Hardening 1 hr at 70°C + 1 hr at 100°C + 12 hr at 110°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.

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