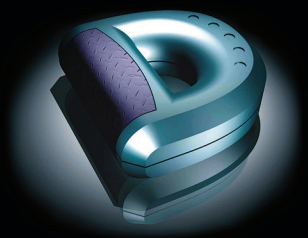
GENERAL (PX225)

A pigment-able, general purpose polyurethane resin that is ideal for a wide range of technical parts and prototypes.



Drumlord Limited
Prototyping Technologies

TYPICAL APPLICATIONS OF THE MATERIAL ARE THERMOPLASTIC-LIKE PARTS (PROTOTYPES AND MOCK-UPS) WITH A FLEXURAL MODULUS OF ELASTICITY CLOSE TO 2,500 MPA (EX: POLYCARBONATE, ABS).

APPLICATIONS:

- General Prototyping, PC & ABS parts

PROPERTIES:

- Good impact and flexural resistance
- Very easy coloring

PHYSICAL PROPERTIES

COMPOSITION		MIXING
Color		opalescent
Density of cured mixing	ISO 2781-88	1.20

MECHANICAL PROPERTIES AT 23°C [1]

	TEST STANDARD	UNIT	VALUE
Flexural modulus of elasticity	ISO 178-93	MPa	2500
Flexural strength	ISO 178-93	MPa	110
Tensile strength	ISO 527-93	MPa	70
Elongation at break in tension	ISO 527-93	%	9
Charpy impact strength	ISO 179/1D-94	KJ/m^2	50
Hardness	ISO 868-85	Shore D/1	85

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

THERMAL AND SPECIFIC PROPERTIES [1]

		UNIT	VALUE
Glass transition temperature	TMA METTLER	°C	100
Linear shrinkage	-	mm/m	3

[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.

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