

SL7820

Excellent Dimensional Stability
with good surface finish detail



Applications

- Black parts with high strength & good dimensional stability (even in humid conditions)
- ABS like, fine detailed surfaces
- Ideal for building
 - Automotive Parts
 - Packaging
 - Housings
 - Consumer Goods
 - Electronics
 - Toys



Physical Properties

Colour	Black
Type	ABS like resin

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	86D	868
Flexural Strength (MPa)	59 - 80	ATSM D790
Flexural Modulus (MPa)	2,000 - 2,400	
Tensile Strength (MPa)	36 - 51	ATSM D638
Tensile Modulus (MPa)	1,900 - 2,400	
Elongation Break (%)	6 - 16	ATSM D256
Impact Strength (J/m)	42 - 48	

Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	62	DMA,E''
Heat Deflection Temperature (°C)		
@ 66 PSI	51	ATSM D648
Co-efficient of Thermal Expansion (µ/m°C)	93	ATSM E831-93

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Please be advised that all information provided in this document is representative of typical properties and as advised by the material manufacturer. Performance characteristics of these products may vary according to product application, operating conditions or with end use.

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