

SL7820

Excellent Dimensional Stability
with good surface finish detail

Simulating CNC-machined black ABS articles, the SL7820 is great for functional assemblies and short run production parts.



Benefits

- **High strength**
- **Good dimensional stability (even in humid conditions)**
- **Simulates black parts without painting**

Applications

- Automotive Parts
- Consumer Goods
- Packaging
- Electronics
- Toys
- Housings



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	
Impact Strength (J/m)	42 - 48	ATSM D256
Density (g/cm ³)	1.13	N/A

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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