

# Accura SL 7820

## Key Features

Stiffness • Smooth surface • Low moisture absorption • High resolution

## Applications

Prototyping • End-use parts • Automotive • Electronics • Consumer goods

## Product Description

Accura SL 7820 offers a rigid and tough material designed to produce accurate, robust, and durable black parts without the need for painting. Ideal for concept models, functional prototypes, assemblies, and short-run production parts, it simulates and replaces CNC-machined and injection molded black ABS articles. With good surface finish and detail, it ensures strong parts with an ABS-like appearance, providing smooth surfaces and beautiful black finishes without additional finishing steps.

## Properties

Tensile modulus	1,890 - 2,440 MPa
Tensile strength	45 - 47 MPa
Elongation at break	6 - 13%
Flexural strength	75 - 78 MPa
Flexural modulus	2,260 - 2,370 MPa
Heat deflection temperature (0.45 MPa)	51°C
Coefficient of thermal expansion (25-50°C)	93 µm/m-°C
Glass transition temperature (Tg)	62 °C
Impact strength	39 - 56 J/m
Density (solid state)	1.16 g/cm <sup>3</sup>
Hardness	86 D

## Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

