

# Data Sheet: Xtreme Grey Polypropylene

## Details

This material has excellent toughness and is resistant to breakage. It has tensile strength ranging from 38 – 44MPa with a heat deflection temperature of 62°C. It is ideal for snap fits used in enclosures for consumer and electronic products.

## Key Features

Tough • Resistant to breakage.

## Mechanical Properties

Property	Value
Tensile strength [MPa]	38
Modulus of elasticity [GPa]	1.79 – 1.98
Flexural strength [MPa]	52
Flexural modulus [GPa]	1.52- 2.07
Hardness	86
Impact strength [J/m]	35 - 52
Elongation at break [%]	14

## Physical Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.19
Heat deflection [°C]	62

Glass transition temperature [°C]	70
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## Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://www.materialdatacenter.com) for further information on this material.