

Data Sheet: Watershed XC 11122

ABS/PBT - Like

Details

This is a low viscous material that produces parts that are strong, tough, water-resistant and most importantly, nearly colourless. It is ideal for the production of lenses, concept models, medical and consumer electronics. It is comparable to standard ABS in mechanical and thermal properties.

Key Features

Tough • Water resistant • Nearly colourless

Mechanical Properties

Property	Value
Tensile strength [MPa]	50.4
Modulus of elasticity [GPa]	2.77
Flexural strength [MPa]	68.7
Flexural modulus [GPa]	2.205
IZOD Impact [J/m]	25
Elongation at break [%]	15.5

Other Properties

Property	Value
Density [g/cm ³]	1.12
Water Absorption [%]	0.35
Heat deflection [°C]	50

Glass transition temperature [°C]	43
Coefficient of thermal expansion [K-1 · 10-6]	67

Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit Materialdatacenter.com for further information on this material.