Xtreme White

Key Features

High resolution • Impact resistance • Stiffness • Low moisture absorption • Durability

Applications

Prototyping • End-use parts • Durable and challenging assemblies • Electronics • Engineering • Consumer goods

Product Description

Accura Xtreme White 200 is an ultra-tough white plastic ideal for replacing CNC-machined polypropylene and ABS parts. Offering exceptional durability and accuracy, it provides high elongation at break, impact strength, and stiffness comparable to Polypropylene and ABS. This material excels in producing robust parts for demanding environments, including drill/tap applications, with fast build speeds and excellent detail fidelity. Its stunning white finish replicates injection molded parts, making it suitable for various functional assemblies such as snap-fit assemblies and those requiring self-tapping screws

Properties

Tensile strength45 - 50 MPElongation at break7 - 209Flexural strength75 - 79 MPFlexural modulus2,350 - 2,250 MPImpact strength55-66 J/mHeat deflection temperature (0.45 MPa)47°Heat deflection temperature (1.80 MPa)42°Coefficient of thermal expansion (30-50°C)95 μm/m-°Water absorption0.38 9Density1.18 g/cm		
Elongation at break 7 - 209 Flexural strength 75 - 79 MP Flexural modulus 2,350 - 2,250 MP Impact strength 55-66 J/m Heat deflection temperature (0.45 MPa) 47°c Heat deflection temperature (1.80 MPa) 42°c Coefficient of thermal expansion (30-50°C) 95 µm/m-°c Water absorption 0.38 9 Density 1.18 g/cm	Tensile modulus	2,300 - 2,630 MPa
Flexural strength 75 - 79 MP. Flexural modulus 2,350 - 2,250 MP. Impact strength 55-66 J/m Heat deflection temperature (0.45 MPa) 47°c Heat deflection temperature (1.80 MPa) 42°c Coefficient of thermal expansion (30-50°C) 95 µm/m-°c Water absorption 0.38 % Density 1.18 g/cm	Tensile strength	45 - 50 MPa
Flexural modulus Impact strength 55-66 J/n Heat deflection temperature (0.45 MPa) Heat deflection temperature (1.80 MPa) Coefficient of thermal expansion (30-50°C) Water absorption Density 2,350 - 2,250 MPa 55-66 J/n 47°C 47°C 47°C 95 µm/m-°C 95 µm/m-°C 1.18 g/cm	Elongation at break	7 - 20%
Impact strength55-66 J/mHeat deflection temperature (0.45 MPa)47°cHeat deflection temperature (1.80 MPa)42°cCoefficient of thermal expansion (30-50°C)95 μm/m-°cWater absorption0.38 %Density1.18 g/cm	Flexural strength	75 - 79 MPa
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Density 1.18 g/cm	Coefficient of thermal expansion (30-50°C)	95 μm/m-°C
,	Water absorption	0.38 %
Hardness 78 - 80 I	Density	1.18 g/cm ³
	Hardness	78 - 80 D

Reference

For more detailed source information, please consult the original document linked <u>here</u>. We encourage users to verify the data's relevance and suitability for their specific needs.



