

CELSTRAN® PP-GF30-23 AF 3001 Natural | PP | Glass Reinforced

Description

Celstran PP-GF30-23 is a 30% long glass fiber Polypropylene. The -23 can be used in food contact applications since all of the raw materials contained within are FDA compliant. This material imparts excellent impact and modulus properties that exceed that of short glass fiber polypropylene.

Physical properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	6220	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	94	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	2.5	%	ISO 527-2/1A
Flexural modulus (23°C)	6290	MPa	ISO 178
Flexural strength (23°C)	158	MPa	ISO 178
Charpy notched impact strength @ 23°C	19.5	kJ/m ²	ISO 179/1eA

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Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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