

CELSTRAN® PP-GF20-02 AF3001 Natural | PP | Glass Reinforced

Description

20% long glass polypropylene developed for aesthetic applications requiring good impact with a class A appearance.

Physical properties	Value	Unit	Test Standard
Density	1010	kg/m ³	ISO 1183
Mold shrinkage - parallel	0.47	%	ISO 294-4
Mold shrinkage - normal	0.70	%	ISO 294-4

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	5390	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	105	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	2.8	%	ISO 527-2/1A
Flexural modulus (23°C)	5150	MPa	ISO 178
Flexural strength (23°C)	160	MPa	ISO 178
Charpy notched impact strength @ 23°C	22.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL @ 1.8 MPa	157	°C	ISO 75-1/-2