CELSTRAN® PP-GF20-0405E AD3070 (PRELIMINARY)

CELSTRAN® Long Fibre

Celstran® PP-GF20-0405E AD3070 is a 20% long glass fiber, UV stabilized Polypropylene designed for exterior applications. AD3070 color code represents GM848 color. This material imparts excellent impact and modulus properties that exceed that of short glass fiber polypropylene.

Product information

Resin Identification	PP-LGF20	ISO 1043
Part Marking Code	>PP-LGF20<	ISO 11469

Typical mechanical properties

Tensile modulus	783000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	14200	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.6	%	ISO 527-1/-2
Flexural modulus	725000	psi	ISO 178
Flexural strength	22900	psi	ISO 178
Charpy impact strength, 23°C	25.7	ftlb/in^2	ISO 179/1eU
Charpy notched impact strength, 23°C	7.61	ftlb/in^2	ISO 179/1eA

Physical/Other properties

Density	0.0372	lb/in^3	ISO 1183

Injection

Max. regrind level	10	%
Melt Temperature Optimum	455	°F
Min. melt temperature	428	°F
Max. melt temperature	482	°F
Mold Temperature Optimum	149	°F
Min. mold temperature	104	°F
Max. mold temperature	167	°F
Back pressure	435	psi

Characteristics

Processing	Injection Molding
Additives	Antioxidant
Special characteristics	U.V. stabilized or stable to weather, Specialty appearance

Additional information

Processing Notes

Pre-Drying

It is normally not necessary to dry CELSTRAN PP. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required.

Storage

The product can then be stored in standard conditions until processed.

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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.
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