CELSTRAN® ABS-GF40-05 NATURAL

CELSTRAN® Long Fibre

Celstran Long Fiber Reinforced ABS-GF40-05 Natural is a 40% long glass ABS, This material imparts excellent impact and modulus properties that exceed that of short fiber ABS.

Product information

Resin Identification	ABS-LGF40	ISO 1043
Part Marking Code	>ABS-LGF40<	ISO 11469

Typical mechanical properties

Tensile modulus	1.54E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	14200	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.1	%	ISO 527-1/-2
Flexural modulus	1.58E6	psi	ISO 178
Flexural strength	26400	psi	ISO 178
Charpy notched impact strength, 23°C	13.3	ftlb/in^2	ISO 179/1eA

Injection

Back pressure	435	psi

Characteristics

Processing	Injection Molding

Additional information

Processing Notes

Pre-Drying

CELSTAN PC/ABS should in principle be predried. Because of the necessary low maximum residual moisture content the use of dry air dryers is recommended. The dew point should be =< - 30° C. The time between drying and processing should be as short as possi

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