

LITEPOL® C8 HB/24 NERO - PP

Description

Polypropylene, copolymer, hollow glass bubbles reinforced, low density.

Physical properties	Value	Unit	Test Standard
Density	49.9	lb/ft³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	319084	psi	ISO 527-1, -2
Tensile stress at yield, 50mm/min	2030	psi	ISO 527-1, -2
Tensile strain at break, 50mm/min	11	%	ISO 527-1, -2
Flexural modulus, 23°C	283000	psi	ISO 178
Charpy impact strength, 23°C	8.56	ft-lb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.9	ft-lb/in²	ISO 179/1eA
Izod impact notched, 23°C	1.9	ft-lb/in²	ISO 180/1A
Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	154	°F	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	145	°F	ISO 306
Flammability @3.2mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2 - 3	h
Drying temperature	176 - 212	°F
Temperature	Value	Unit
Zone1 temperature	392 - 428	°F
Zone2 temperature	428 - 464	°F
Zone3 temperature	446 - 482	°F
Nozzle temperature	446 - 482	°F
Mold temperature	86 - 140	°F

Other text information

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

Characteristics

Special Characteristics	Auto spec approved
Product Categories	Mineral reinforced
Processing	Injection molding

Other Approvals

OEM	Specification
Stellantis - FCA Group	PP 67.40 LSG