

OMNIPRO® HPP GRC20 HF HS - PP
Description

Homopolymer Polypropylene. 20% Glass Reinforced. High flow. Heat Stabilized.

Physical properties	Value	Unit	Test Standard
Density	64.9	lb/ft ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	797709	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	9720	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	2.4	%	ISO 527-1, -2
Flexural modulus, 23°C	725000	psi	ISO 178
Flexural strength, 23°C	16700	psi	ISO 178
Charpy impact strength, 23°C	3.33	ft-lb/in ²	ISO 179/1eU

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 - 482	°F
Zone2 temperature	419 - 500	°F
Zone3 temperature	419 - 500	°F
Nozzle temperature	419 - 500	°F
Melt temperature	419 - 500	°F
Mold temperature	77 - 140	°F

Characteristics

Product Categories Glass reinforced