Celanese
The chemistry inside innovation™

OMNIPRO® CPP GRC10

OMNIPRO®

Polypropylene , copolymer, 10% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF10		ISO 1043
Part Marking Code	>PP-GF10<		ISO 11469

Rheological properties

Melt mass-flow rate	10	g/10min	ISO 1133
Melt mass-flow rate, Temperature	230	°C	
Melt mass-flow rate, Load	2.16	kg	

Typical mechanical properties

Tensile modulus	3200	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	45	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	4	%	ISO 527-1/-2
Flexural modulus	2700	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Charpy notched impact strength, 23°C	7	kJ/m²	ISO 179/1eA
Poisson's ratio	0.37[C]		

[C]: Calculated

Physical/Other properties

Density	970	kg/m³	ISO 1183

Revised: 2024-01-23 Source: Celanese Materials Database