

**OMNIPRO® HPP GRC40 PL**

Celanese Corporation - Polypropylene

**General Information**
**Product Description**

Preliminary Datasheet Data are based on limited testing. Values subject to change.

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East      • Europe • Asia Pacific                      • Latin America                      • North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Part Marking Code (ISO 11469)	• >PP-GF40<
Resin ID (ISO 1043)	• PP-GF40

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.40E+6	psi	ISO 527-1
Tensile Stress (Break)	15200	psi	ISO 527-2/5
Tensile Strain (Break)	2.8	%	ISO 527-2/5
Flexural Modulus	1.39E+6	psi	ISO 178
Flexural Stress	24700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.7	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	28	ft·lb/in <sup>2</sup>	ISO 179/1eU

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
