

Complet™ LCF20-PP 1014 NAT

Polypropylene Homopolymer

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• North America
Filler / Reinforcement	• Long Carbon Fiber, 20% Filler by Weight
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.45E+6 psi	10000 MPa	ASTM D638
Tensile Strength	18000 psi	124 MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 2.0 %	1.0 to 2.0 %	ASTM D638
Flexural Modulus	1.20E+6 psi	8270 MPa	ASTM D790
Flexural Strength	24500 psi	169 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact	2.5 ft·lb/in	130 J/m	ASTM D256
Unnotched Izod Impact	8.1 ft·lb/in	430 J/m	ASTM D4812

Notes

¹ Typical values are not to be construed as specifications.

CONTACT INFORMATION

North America

Avon Lake, United States
33587 Walker Road
Avon Lake, OH, United States ,
44012
+1 440 930 1000
+1 844 4AVIENT

South America

Sao Paulo, Brazil
Av. Francisco Nakasato, 1700
13295-000 Itupeva
Sao Paulo, Brazil
+55 11 4593 9200

Asia

Shanghai, China
2F, Block C
200 Jinsu Road
Pudong, 201206
Shanghai, China
+86 (0) 21 6028 4888

Europe

Pommerloch, Luxembourg
19 Route de Bastogne
Pommerloch, Luxembourg , L-9638
+352 269 050 35



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