

## Edgetek™ PE-30GF/000

### High Density Polyethylene

#### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Filler / Reinforcement	• Glass Fiber Reinforcement		
Forms	• Pellets		

#### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.18	1.18 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.0030 in/in	0.30 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	600000 psi	4140 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	6000 psi	41.4 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	600000 psi	4140 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.250 in (6.35 mm), Injection Molded	1.5 ft-lb/in	80 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	240 °F	116 °C	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Volume Resistivity	1.0E+16 ohm-cm	1.0E+16 ohm-cm	ASTM D257

#### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 430 °F	193 to 221 °C
Mold Temperature	80.0 to 130 °F	26.7 to 54.4 °C

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

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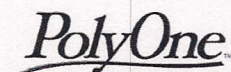
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