



Phone: (810) 326-1451 Fax: (586) 408-6363  
 www.dynamicpolymer.com

**Technical Data Sheet**

**DYN-PPH20G Black**

**Polypropylene Homopolymer, Chemically Coupled, 20% Glass Fiber Reinforced**

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>			
	English Units	Metric Units	
Density	1.04 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	ASTM D-792
Melt Flow Rate @ 230° / 2.16kg	10 g/10 min		ASTM D-792
Ash Content	20 %	%	ASTM D-5630
<b>Mechanical Properties</b>			
Izod Impact - Notched	1.20 ft-lb/in	64 J/m	ASTM D-256
Tensile Strength @ Yield	7,700 psi	53 MPa	ASTM D-638
Tensile Elongation @ Break	9 %	9 %	ASTM D-638
Flexural Strength @ Yield	10,500 psi	72 MPa	ASTM D-790
Flexural Modulus	440,000 psi	3,036 MPa	ASTM D-790
<b>Thermal Properties</b>			
DTUL @ 66 psi (455 kPa)	284 Deg. F	141 Deg. C	ASTM D-648

All tests are performed on dry as molded ASTM test bars.

**General Product Type Information**

DYN-PPH20G, is also available with internal and external lubricants, UV stabilized and other modifications. Manufactured with recycled content. Further information and details are available upon request.

**Processing Information**

Temperatures		F	C
Barrel	Rear	380 - 400	217 - 228
	Center	390 - 410	223 - 234
	Front	400 - 420	228 - 240
	Nozzle	410 - 430	234 - 245
	Mold	120 - 150	27 - 66

**Drying**

Type  
 Temperature  
 Time  
 Max. % Moisture

The property values listed above have been obtained using laboratory controlled test methods. They are offered without guarantee since conditions under which the product is used are beyond our control. Therefore, Dynamic Polymer Solutions disclaims any liability for loss or damage incurred in connection with the use of this product. Optimum processing conditions will depend on such factors as machine size, screw design, part dimension, mold design, runner and gate design, and material residence time. These recommendations are intended only as a guide to achieve stable processing and good part quality.