



# Dynamic Polymer Solutions

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

## Technical Data Sheet

### DYN-PPH20T Black

#### Polypropylene Homopolymer, 20% Talc Filled

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>	English Units	Metric Units	
Density	1.05 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>	ASTM D-792
Melt Flow Rate @ 230° / 2.16kg	12 g/10 min		ASTM D-792
Ash Content	20 %	%	ASTM D-5630
<b>Mechanical Properties</b>			
Izod Impact - Notched	0.55 ft-lb/in	29 J/m	ASTM D-256
Tensile Strength @ Yield	4,900 psi	34 MPa	ASTM D-638
Tensile Elongation @ Break	18 %	18 %	ASTM D-638
Flexural Modulus	370,000 psi	2,553 MPa	ASTM D-790

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

#### General Product Type Information

DYN-PPH20T, 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	420 - 440	217 - 228
	Center	430 - 450	223 - 234
	Front	440 - 460	228 - 240
	Nozzle	450 - 470	234 - 245
	Mold	80 - 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.