



# Dynamic Polymer Solutions

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## Technical Data Sheet

### DYN-PPC10G Black

#### Polypropylene Copolymer, Chemically Coupled, 10% Glass Fiber Reinforced

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>	<b>English Units</b>	<b>Metric Units</b>	
Density	0.981 g/cm <sup>3</sup>	0.981 g/cm <sup>3</sup>	ASTM D-792
Melt Flow Rate @ 230° / 2.16kg	11 g/10 min		ASTM D-792
Ash Content	10 %	%	ASTM D-5630
<b>Mechanical Properties</b>			
Izod Impact - Notched	1.10 ft-lb/in	59 J/m	ASTM D-256
Tensile Strength @ Yield	4,500 psi	31 MPa	ASTM D-638
Tensile Elongation @ Break	11 %	11 %	ASTM D-638
Flexural Modulus	380,000 psi	2,622 MPa	ASTM D-790
<b>Thermal Properties</b>			
DTUL @ 66 psi (455 kPa)	265 Deg. F	130 Deg. C	ASTM D-648

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

#### General Product Type Information

DYN-PPC10G, 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.