



Dynamic Polymer Solutions

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Technical Data Sheet

DYN-PPH301 Black

Polypropylene Homopolymer 30 Melt

Typical Compound Properties	Value / Measure		Test Methods
Physical Properties	English Units	Metric Units	
Density	0.91 g/cm3	0.91 g/cm3	ASTM D-792
Melt Flow Rate @ 230° / 2.16kg	30 g/10 min		ASTM D-792
Mechanical Properties			
Izod Impact - Notched	0.80 ft-lb/in	43 J/m	ASTM D-256
Tensile Strength @ Yield	4,400 psi	30 MPa	ASTM D-638
Flexural Modulus	185,000 psi	1,276 MPa	ASTM D-790

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

General Product Type Information

DYN-PPH301, 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	360 - 400	184 - 206
	Center	380 - 410	195 - 212
	Front	400 - 430	206 - 223
	Nozzle	400 - 430	206 - 223
	Mold	70 - 120	21 - 49

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.