



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

Technical Data Sheet

DYN-AH5 Black

Acetal Homopolymer, Unfilled

Typical Compound Properties Value / Measure Test Methods

Physical Properties	English Units	Metric Units	
Density	1.41 g/cm3	1.41 g/cm3	ASTM D-792
Melt Flow Rate @ 190° / 1.05kg	6 g/10 min		ASTM D-792

Mechanical Properties			
Izod Impact - Notched	1.20 ft-lb/in	64 J/m	ASTM D-256
Tensile Strength @ Yield	10,000 psi	69 MPa	ASTM D-638
Tensile Elongation @ Break	20 %	20 %	ASTM D-638
Flexural Strength @ Yield	13,000 psi	90 MPa	ASTM D-790
Flexural Modulus	410,000 psi	2,829 MPa	ASTM D-790

Thermal Properties		
Melt Point	346 Deg. F	176 Deg. C

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

General Product Type Information

DYN-AH5, 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	350 - 425	178 - 220
	Center	350 - 425	178 - 220
	Front	350 - 425	178 - 220
	Nozzle	350 - 425	178 - 220
	Mold	175 - 210	77 - 94

Drying

Type	Dehumidifier
Temperature	180°F
Time	2 - 4 hours
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.