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Technical Data Sheet

DYN-PBT15G BK

Polybutylned Terephalate, 15% Glass Fiber Reinforced

Typical Compound Properties	Value / Measure		Test Methods
Physical Properties	English Units	Metric Units	
Density	1.41 g/cm ³	1.41 g/cm ³	ASTM D-792
Mechanical Properties			
Izod Impact - Notched	1 ft-lb/in	53 J/m	ASTM D-256
Tensile Strength @ Break	13,500 psi	93 MPa	ASTM D-638
Tensile Elongation @ Break	5 %	5 %	ASTM D-638
Flexural Modulus	700,000 psi	4,830 MPa	ASTM D-790
Thermal Properties			
DTUL @ 66 psi (455 kPa)	410 Deg. F	212 Deg. C	ASTM D-648
@ 264 psi (1820 kPa)	375 Deg. F	192 Deg. C	ASTM D-648

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

General Product Type Information

DYN-PBT15G, 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	460 - 490	240 - 256
	Center	470 - 500	245 - 262
	Front	480 - 510	251 - 268
	Nozzle	470 - 500	245 - 262
	Mold	150 - 190	66 - 88

Drying

Type	Dehumidifier
Temperature	250°F
Time	2 - 4 hours
Max. % Moisture	0.02

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.