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**Technical Data Sheet**

**DYN-PCPBT Black**

**Polycarbonate + PBT Alloy Impact Grade**

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>			
	English Units	Metric Units	
Density	1.18 g/cm3	1.18 g/cm3	ASTM D-792
Melt Flow Rate @ 260° / 3.8kg	15 g/10 min		ASTM D-792
<b>Mechanical Properties</b>			
Izod Impact - Notched	15 ft-lb/in	802 J/m	ASTM D-256
Tensile Strength @ Yield	8,000 psi	55 MPa	ASTM D-638
Tensile Elongation @ Break	160 %	160 %	ASTM D-638
Flexural Modulus	280,000 psi	1,932 MPa	ASTM D-790
<b>Thermal Properties</b>			
DTUL @ 66 psi (455 kPa)	240 Deg. F	116 Deg. C	ASTM D-648
@ 264 psi (1820 kPa)	205 Deg. F	97 Deg. C	ASTM D-648

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

**General Product Type Information**

DYN-PCPBT, 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	470 - 510	273 - 296
	Center	480 - 520	284 - 307
	Front	490 - 530	296 - 318
	Nozzle	490 - 520	290 - 318
	Mold	150 - 190	72 - 94

**Drying**

Type	Dehumidifier
Temperature	230°F
Time	4 - 6 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.