

PIER ONE POLYMERS INCORPORATED
Thermoplastic Solutions

Property Data

PEXTIN PET 545 BK
Polyethylene Terephthalate (PET) 45% Glass Reinforced Resin

PEXTIN PET R545 BK is available in black only, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

Property	Test Method	Units	Value
			DAM
Mechanical Tensile Strength Elongation @ Break Flexural Modulus Flexural Strength Izod Impact	ASTM D 638 ASTM D 638 ASTM D 790 ASTM D 790 ASTM D256	Mpa (psi) % Mpa (psi) Mpa (psi) J/m (ft lb/in)	172 (25,000) 4% 14,482.8 (2,100,000) 275.9 (40,000) 106.9 (2.0)
Thermal Heat Deflection Temperature 1.8 Mpa (264 psi) Melting Point	ASTM D 648 ASTM D 3418	°C (°F) °C (°F)	226 (439) 254 (489)
Other Specific Gravity	ASTM D 792		1.70
Processing Melt Temperature Range Processing Moisture Content		°C (°F) %	280-300 (536-572) <0.05

Mechanical properties measured at 23°C (73°F)

Contact Pier One Polymers, Inc. for MSDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

CALL PIER ONE POLYMERS FIRST (877) 283-1975

The information above is compiled by the material manufacturer. Actual values should not be construed as a guarantee of analysis of any specific lot or as specification items. The properties of any single lot or shipment of product may vary from the above analysis. No warranty is given as to the suitability of the product for any particular application. The determination of suitability of the above product information for any particular use is solely the responsibility of the user.