

PEXTIN™ PET 545 BK

Polyethylene Terephthalate

Pier One Polymers, Inc.

Message:

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.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	172	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	14500	MPa	ASTM D790
Flexural Strength (23°C)	276	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	226	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	< 0.050	%	
Processing (Melt) Temp	280 to 300	°C	

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Recommended distributors for this material

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