

PrimoTek KM6085

Polybutylene Terephthalate

KMI Group Inc.

Message:

PrimoTek KM6085 is a Polybutylene Terephthalate (PBT) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 to 1.32	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) ¹	50 to 55	g/10 min	ASTM D1238
Color b	< 4.00		Internal Method
Color L	> 90.0		Internal Method
Intrinsic Viscosity	0.84 to 0.87	dl/g	Internal Method
Carboxyl End Groups	< 30.0	mol/t	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.0 to 60.0	MPa	ASTM D638
Tensile Elongation (Break)	> 80	%	ASTM D638
Flexural Strength	> 82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ²	> 40	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	220 to 225	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (2.00 mm)	> 2.0	kV/mm	ASTM D149
NOTE			
1.	Procedure A		
2.	Notch A		

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