

KEBATER® PBT BM240

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT, 40% mineral reinforced, food grade

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Food Contact Acceptable		
Resin ID (ISO 1043)	(PBT+X)-MD40		
Physical	Nominal Value	Unit	Test Method
Density	1.81	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	45	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.4	%	
Flow	1.5	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2
Tensile Stress (Break)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	225	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification ² (0.800 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		
2.	UL Registered		

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