

Tecodur® PB70 BK001 MC

PBT

Eurotec Mühendislik Plastikleri

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2250	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1280	kg/m ³	ISO 1183
Moisture Content	0.08	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	60 - 100	°C	-
Feed temperature	50 - 70	°C	-
Holding pressure	40 - 80	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

Europe