Tecotek® PC43 GR003 TD70

PC — Eurotec Mühendislik Plastikleri

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2250**	MPa	ISO 527
Stress at break	**60**	MPa	ISO 527
Strain at break	**20**	%	ISO 527
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**35**	kJ/m²	ISO 180/1A
Izod notched impact strength	**15**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**95**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**105**	°C	ISO 75-1/-2
Vicat softening temperature, B	**130**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**V-0**	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	**1E15**	Ohm	IEC 62631-3-2
Comparative tracking index	**225**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.2**	%	Sim. to ISO 62
Density	**1220**	kg/m³	ISO 1183
Moisture Content	**0.1**	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**250 - 290**	°C	-
Mold temperature	**80 - 100**	°C	-
Feed temperature	**60 - 80**	°C	-
Holding pressure	**60 - 120**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

Flame retardant, High impact or impact modified