Tecotek® PC40 GR10 NL

PC-GF10 Eurotec Mühendislik Plastikleri

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**10**	g/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4000**	MPa	ISO 527
Stress at break	**85**	MPa	ISO 527
Strain at break	**5**	%	ISO 527
Izod notched impact strength, +23°C	**10**	kJ/m²	ISO 180/1A
Izod notched impact strength	**8**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**135**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**140**	°C	ISO 75-1/-2
Vicat softening temperature, B	**145**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**V-2**	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	**175**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.2**	%	Sim. to ISO 62
Density	**1250**	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	**270 - 310**	°C	-
Mold temperature	**80 - 100**	°C	-
Feed temperature	**60 - 80**	°C	-
Holding pressure	**60 - 120**	MPa	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe

Delivery form
Natural Color