

Tisoplen® C 40D01 R01

PP-T40

Tisan Engineering Plastics Co.Ltd.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Stress at break	25	MPa	ISO 527
Strain at break	5	%	ISO 527
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	168	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB 1.6	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	HB 0.8	class mm	IEC 60695-11-10 -

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

Other properties	Value	Unit	Test Standard
Density	965	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1	h	-
Melt temperature	210 - 230	°C	-
Mold temperature	20 - 50	°C	-
Zone 1	150 - 180	°C	-
Zone 2	200 - 240	°C	-
Zone 3	200 - 240	°C	-
Nozzle temperature	230	°C	-
Back pressure	0.3 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Features

Homopolymer

Regional Availability

Europe, Near East/Africa