

Tarolox 10 X0

PBT

Taro Plast S.p.A.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2900	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.5	kJ/m ²	ISO 179/1eA
ASTM Data			
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	30	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	223	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Vicat softening temperature, A	205	°C	ISO 306
Vicat softening temperature, B	190	°C	ISO 306
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
Limiting Oxygen Index	28	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Electric strength	22	kV/mm	IEC 60243-1
Comparative tracking index	275	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.35	%	Sim. to ISO 62
Density	1420	kg/m ³	ISO 1183

Characteristics**Additives**

Release agent

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Low Odor

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe