

DURACON® TR-10D

POM-MX10

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	31	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	39	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3700	MPa	ISO 527
Tensile Strength	57	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	3500	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	3.3	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 90	-	ISO 2039-2
ASTM Data			
Tensile Strength	55	MPa	ASTM D 638
Flexural Modulus	3430	MPa	ASTM D 790
Flexural Strength	93	MPa	ASTM D 790
Izod Impact notched, 1/8 in	32.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	112	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-
ASTM Data			
DTUL @ 264 psi	142	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	3E12	Ohm*m	IEC 62631-3-1
Surface resistivity	2E16	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1480	kg/m ³	ISO 1183
Density	1480	kg/m ³	ASTM D 792

Characteristics**Features**

Creep Resistance, Low Warpage

Regional Availability

Asia Pacific