DURACON® TR-5

POM-MX5 Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**7**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Melt flow index, MFI	**8**	g/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**2.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**2.0**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3200**	MPa	ISO 527
Tensile Strength	**62**	MPa	ISO 527
Strain at break	**10**	%	ISO 527
Flexural modulus, 23°C	**3000**	MPa	ISO 178
Flexural strength	**90**	MPa	ISO 178
Charpy notched impact strength, +23°C	**4**	kJ/m²	ISO 179/1eA
Rockwell hardness	**M 80**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**108**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**110**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**110**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Yellow Card available	**yes**	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**2E12**	Ohm*m	IEC 62631-3-1
Surface resistivity	**2E15**	Ohm	IEC 62631-3-2
Electric strength	**20**	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	**1440**	kg/m³	ISO 1183

Characteristics

Features

Creep Resistance, Low Warpage

Regional Availability

Asia Pacific