

TECHNICAL DATA SHEET

# DURACON® TR-20

Polyplastics  
POM-MX20

**Features**

Creep resistance, Low warpage

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	16	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Melt flow index, MFI	21	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	4500	MPa	ISO 527
Tensile strength	59	MPa	ISO 527
Strain at break	5	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	4100	MPa	ISO 178
Flexural strength	96	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 75		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow card available	yes		

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Electrical Properties	Value	Unit	Standard
Volume resistivity	2E12	Ohm*m	IEC 62631-3-1
Surface resistivity	9E15	Ohm	IEC 62631-3-2
Electric strength	21	kV/mm	IEC 60243-1

  

Other Properties	Value	Unit	Standard
Density	1530	kg/m <sup>3</sup>	ISO 1183