

TECHNICAL DATA SHEET

DURACON® TF-30

Polyplastics
POM

Special Characteristics

High impact or impact modified

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	7	cm ³ /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	1.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1300	MPa	ISO 527
Tensile strength	37	MPa	ISO 527
Nominal strain at break	75	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Flexural strength	43	MPa	ISO 178
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 45		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Coeff. of linear therm. expansion, parallel	140	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	140	E-6/K	ISO 11359-1/-2
Electrical Properties	Value	Unit	Standard
Volume resistivity	3E11	Ohm*m	IEC 62631-3-1
Surface resistivity	5E13	Ohm	IEC 62631-3-2

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Other Properties	Value	Unit	Standard
Density	1350	kg/m ³	ISO 1183