

TECHNICAL DATA SHEET

DURACON® SF-10

Polyplastics
POM

Processing

Injection molding

Special Characteristics

High impact or impact modified

Processing/Physical Characteristics	Value	Unit	Standard
Molding shrinkage, parallel	2.4	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1900	MPa	ISO 527
Tensile strength	45	MPa	ISO 527
Nominal strain at break	60	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength	61	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 60		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	130	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow card available	yes		
Other Properties	Value	Unit	Standard
Density	1360	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	80	°C	
Zone 1	150	°C	

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Processing Recommendation Injection Molding	Value	Unit	Standard
Zone 2	170	°C	
Zone 3	190	°C	
Injection speed	66	mm/s	