

DURACON® SF-10

POM

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.4	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1900	MPa	ISO 527
Tensile Strength	45	MPa	ISO 527
Nominal strain at break	60	%	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	Test Standard
ISO Data			
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	Test Standard
Density	1360	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	80	°C	-
Zone 1	150	°C	-
Zone 2	170	°C	-
Zone 3	190	°C	-
Injection speed	66	mm/s	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

High impact or impact modified