

TECHNICAL DATA SHEET

DURACON® SF-15

Polyplastics
POM

Special Characteristics

High impact or impact modified

Processing/Physical Characteristics	Value	Unit	Standard
Molding shrinkage, parallel	2.2	%	ISO 294-4, 2577
Molding shrinkage, normal	2	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1700	MPa	ISO 527
Tensile strength	38	MPa	ISO 527
Nominal strain at break	100	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Flexural strength	51	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 40		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	72	°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		
Electrical Properties	Value	Unit	Standard
Volume resistivity	3E11	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Electric strength	18	kV/mm	IEC 60243-1
Other Properties	Value	Unit	Standard
Density	1320	kg/m ³	ISO 1183