

TECHNICAL DATA SHEET

DURACON® ES-5

Polyplastics
POM-CD5

Special Characteristics

Increased electrical conductivity, Anti-static

Features

Copolymer

Mechanical Properties	Value	Unit	Standard
Tensile strength	49	MPa	ISO 527
Strain at break	7.5	%	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	109	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	110	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	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	1	Ohm*m	IEC 62631-3-1
Surface resistivity	500	Ohm	IEC 62631-3-2
Other Properties	Value	Unit	Standard
Density	1410	kg/m ³	ISO 1183