



DURACON® M90-45			
POM			Polyplastics
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527-1/-2
Tensile Strength	62	MPa	ISO 527-1/-2
Nominal strain at break	35	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	6	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2500	MPa	ISO 178
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	95	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
UL recognition	UL	-	-
Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Electric strength	19	kV/mm	IEC 60243-1
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1410	kg/m³	ISO 1183
Characteristics			
Special Characteristics		Features	
U.V. stabilized or stable to weather		Copolymer	