

TECHNICAL DATA SHEET

DURACON® M90-45LV

Polyplastics

POM

Special Characteristics

U.V. stabilized or stable to weather

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Molding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Molding shrinkage, normal	2.2	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	2500	MPa	ISO 527
Tensile strength	60	MPa	ISO 527
Nominal strain at break	35	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	83	MPa	ISO 178
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	91	°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
Yellow card available	yes		
Other Properties	Value	Unit	Standard
Density	1410	kg/m ³	ISO 1183