

**DURACON® M270-45**

POM

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	23	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	27	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.1	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2800	MPa	ISO 527
Tensile Strength	63	MPa	ISO 527
Nominal strain at break	30	%	ISO 527
Flexural modulus, 23°C	2550	MPa	ISO 178
Flexural strength	88	MPa	ISO 178
Charpy notched impact strength, +23°C	5.3	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 80	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	100	°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	Test Standard
<b>ISO Data</b>			
Volume resistivity	4E12	Ohm*m	IEC 62631-3-1
Surface resistivity	4E15	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1410	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

U.V. stabilized or stable to weather

**Regional Availability**

Asia Pacific