

TECHNICAL DATA SHEET

DURACON® GB-25R

Polyplastics

POM-GB25

Features

Low warpage

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	5	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	4000	MPa	ISO 527
Tensile strength	59	MPa	ISO 527
Strain at break	10	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	3800	MPa	ISO 178
Flexural strength	104	MPa	ISO 178
Charpy notched impact strength, +23°C	3.4	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90	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
Electric strength	21	kV/mm	IEC 60243-1

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Other Properties	Value	Unit	Standard
Density	1590	kg/m ³	ISO 1183