

TECHNICAL DATA SHEET

# DURACON® GH-20

Polyplastics  
POM-GF20

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	2.3	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	7000	MPa	ISO 527
Tensile strength	100	MPa	ISO 527
Strain at break	2	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	6000	MPa	ISO 178
Flexural strength	135	MPa	ISO 178
Charpy notched impact strength, +23°C	5.2	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 85		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	158	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100	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	1540	kg/m <sup>3</sup>	ISO 1183