

Dynacom 101-G20

Polybutylene Terephthalate

Dynachem Co. Ltd.

Message:

Dynacom 101-G20 is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific. Primary attribute of Dynacom 101-G20: Flame Rated.

General Information			
UL File Number	E164708		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.40 to 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	107	MPa	ASTM D638
Tensile Elongation ³ (Break)	5.0	%	ASTM D638
Flexural Modulus ⁴	6470	MPa	ASTM D790
Flexural Strength ⁵	166	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.5	ohms · cm	ASTM D257
Dielectric Strength (1.00 mm)	23	kV/mm	ASTM D149
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Thickness: 2 to 3 mm		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	3.0 mm/min		
5.	3.0 mm/min		

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