

Dynacom 501-G10

Acrylonitrile Butadiene Styrene

Dynachem Co. Ltd.

Message:

Dynacom 501-G10 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Dynacom 501-G10: Flame Rated.

General Information			
UL YellowCard	E164708-224833		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow ¹	0.30 to 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	> 0.35	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	69.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.0	%	ASTM D638
Flexural Modulus ⁴	3820	MPa	ASTM D790
Flexural Strength ⁵	95.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Flammability	Nominal Value		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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