

Dynacom 301-G30

Polyamide 66

Dynachem Co. Ltd.

Message:

Dynacom 301-G30 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific. Primary attribute of Dynacom 301-G30: Flame Rated.

General Information				
UL YellowCard		E164708-224844		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.50 to 1.2	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	121	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ²	176	132	MPa	ASTM D638
Tensile Elongation ³ (Break)	5.0	5.0	%	ASTM D638
Flexural Modulus ⁴	8250	5880	MPa	ASTM D790
Flexural Strength ⁵	246	186	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	110	150	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	--	°C	ASTM D648
Vicat Softening Temperature	240	--	°C	ASTM D1525 ⁶
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength (1.00 mm)	20	17	kV/mm	ASTM D149
Arc Resistance	110	120	sec	ASTM D495
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	HB		UL 94
Additional Information	Dry	Conditioned	Unit	
Conditioned Moisture Content	--	1.5	%	
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
6.	Loading 1 (10 N)

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