

Dynacom 401-G15

Polyamide 6

Dynachem Co. Ltd.

Message:

Dynacom 401-G15 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific. Primary attribute of Dynacom 401-G15: Flame Rated.

General Information				
UL YellowCard		E164708-224837		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.23	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.60 to 1.1	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	119	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ²	113	69.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.0	10	%	ASTM D638
Flexural Modulus ⁴	5000	2350	MPa	ASTM D790
Flexural Strength ⁵	171	74.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69	78	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	--	°C	ASTM D648
Vicat Softening Temperature	225	225	°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	--	kV/mm	ASTM D149
Arc Resistance	130	135	sec	ASTM D495
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	HB		UL 94
Additional Information	Dry	Conditioned	Unit	
Conditioned Moisture Content	--	3.0	%	
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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