

Dynacom 403R

Polyamide 6

Dynachem Co. Ltd.

Message:

Dynacom 403R is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific.

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.40	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.70 to 0.80	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	105		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ²	69.0	49.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	5.0	5.0	%	ASTM D638
Flexural Modulus ⁴	4450	1960	MPa	ASTM D790
Flexural Strength ⁵	118	59.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	37	49	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	190	--	°C	
1.8 MPa, Unannealed	150	--	°C	
Vicat Softening Temperature	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	120	--	sec	ASTM D495
Additional Information	Dry	Conditioned	Unit	
Conditioned Moisture Content	--	2.1	%	
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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