

Nylux 6/ST2

Polyamide 6

KMI Group, Inc.

Message:

Nylux 6/ST2 is a polyamide 6 (nylon 6) product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information				
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	1.10	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	1.7	1.7	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.2	1.2	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2300	1000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	--	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	63	120	%	ISO 527-2
Flexural Modulus (23°C)	1800	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	15	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature (DSC)	222	222	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	HB		UL 94

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