

Nylux 6/BLK

Polyamide 6
KMI Group, Inc.

Message:
Nylux 6/BLK is a polyamide 6 (nylon 6) product. It is available in North America or Europe.

General Information				
Features		General		
Uses		General		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 - 1.8	--	%	ASTM D955
Water Absorption (24 hr)	1.3	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	106		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Yield)	75.2	40.0	MPa	ASTM D638
Tensile Elongation (Yield)	90	250	%	ASTM D638
Flexural Modulus	2800	1000	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	175	--	°C	ASTM D648
1.8 MPa, not annealed	70.0	--	°C	ASTM D648
Vicat Softening Temperature	205	--	°C	ASTM D1525
Melting Temperature	222	--	°C	
Maximum Continuous Use Temperature	80	--	°C	ASTM D794
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	ASTM D257

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