

HiFill® PA6 NAT

Polyamide 6

Techmer Engineered Solutions

Message:

HiFill® PA6 NAT is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Low Viscosity

General Information			
Features	Low Viscosity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (24 hr)	1.6	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Tensile Elongation (Yield)	70	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	178	°C	
1.8 MPa, Unannealed	65.0	°C	
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-2		UL 94
Additional Information	Nominal Value		
TPCI #	1026102		
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

