

HiFill® TPX-PA6/6 97058 BK

Polyamide 66

Techmer Engineered Solutions

Message:

HiFill® TPX-PA6/6 97058 BK is a Polyamide 66 (Nylon 66) product filled with 32% mineral. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Impact Modified

Impact Resistant

Lubricated

General Information			
Filler / Reinforcement	Mineral,32% Filler by Weight		
Additive	Impact Modifier		
	Lubricant		
Features	High Impact Resistance		
	Lubricated		
UL File Number	E157318		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	77.2	MPa	ASTM D638
Tensile Elongation (Yield)	16	%	ASTM D638
Flexural Modulus	4520	MPa	ASTM D790
Flexural Strength	116	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	100	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	73.9	°C	

CLTE - Flow	5.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength ¹	15	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			

1. Method A (Short-Time)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

