

951 Douglas Road  
 Batavia, IL 60510  
 (847) 534-6600



# Product Data Sheet—ISO

## INJECTOBLEND™ FPA6001

### General Purpose Nylon 6

Properties / Reported DAM	Test Method	Metric (S.I.)	Units System
<b>PHYSICAL</b>			
Density	ISO 1183-1	g/cm <sup>3</sup>	1.13
<b>MECHANICAL</b>			
Tensile Strength @ Yield. (50mm/min, 23°C)	ISO 527-2	MPa	78
Tensile Elongation @ Break. (50mm/min, 23°C)	ISO 527-2	%	10.0
Tensile Modulus. (1mm/min, 23°C)	ISO 527-2	GPa	2.9
Flexural Strength. (2mm/min, 23°C)	ISO 178	MPa	105
Flexural Modulus. (2mm/min, 23°C)	ISO 178	MPa	2720
Charpy Impact, notched. (23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	7.3
<b>THERMAL</b>			
Deflection Temperature, unannealed (1.8 MPa Load)	ISO 75	°C	59
(0.45 MPa Load)	ISO75	°C	176
Melting Point	ISO 11357-3	°C	218
<b>FLAMMABILITY</b>			
UL 94 Flame Class. 0.058" (1.47mm)	UL 94	-	V-2

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