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# Product Data Sheet—ISO

## INJECTOBLEND™ FPA66001

### General Purpose Nylon 66

Properties / Reported DAM	Test Method	Metric (S.I.)	Units System
<b>PHYSICAL</b>			
Density	ISO 1183-1	g/cm <sup>3</sup>	1.14
<b>MECHANICAL</b>			
Tensile Strength @ Yield. (50mm/min, 23°C)	ISO 527-2	MPa	88
Tensile Elongation @ Break. (50mm/min, 23°C)	ISO 527-2	%	14.0
Tensile Modulus. (1mm/min, 23°C)	ISO 527-2	GPa	2.9
Flexural Strength. (2mm/min, 23°C)	ISO 178	MPa	107
Flexural Modulus. (2mm/min, 23°C)	ISO 178	MPa	2720
Charpy Impact, notched. (23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	6.6
<b>THERMAL</b>			
Deflection Temperature, unannealed (1.8 MPa Load)	ISO 75	°C	80
(0.45 MPa Load)	ISO75	°C	197
Melting Point	ISO 11357-3	°C	258
<b>FLAMMABILITY</b>			
UL 94 Flame Class. 0.058" (1.47mm)	UL 94	-	V-2

The values shown on the data sheet are typical values that have been obtained on typical AGS materials, are not intended for specification purposes and are provided without any warranty or guarantee. Each user of the material should make his own test to determine the suitability of the material for his use. Therefore, it is understood and agreed that the customer assumes and hereby releases AGS Technology, Inc. from all liabilities, incurred in connection with the use of AGS products, technical assistance and information. (APR 2023)