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Product Data Sheet

INJECTOBLEND™ FPA66235

33% Glass Reinforced Nylon 66

Properties / Reported DAM	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
PHYSICAL					
Specific Gravity, solid	D 792	-	1.40	-	1.40
Mold Shrinkage, flow, 0.125" (3.2mm)	D 955	%	0.2	%	0.2
Water Absorption, 73F (23C), 24 hrs	D 570	%	0.6	%	0.6
Water Absorption, saturation, 73F (23C)	D 570	%	5.4	%	5.4
Fiberglass Content	D 2584	%	33	%	33
MECHANICAL					
Tensile Strength @ Break. 73°F (23°C)	D 638	psi	22,000	MPa	152
Tensile Elongation @ Break. 73°F (23°C)	D 638	%	2	%	2
Tensile Modulus. 73°F (23°C)	D 638	ksi	862	GPa	5.9
Flexural Strength. 73°F (23°C)	D 790	ksi	33.2	MPa	229
Flexural Modulus. 73°F (23°C)	D 790	ksi	1,101	MPa	7,590
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D 256	ft-lb/in	1.5	J/m	80
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa) Load		°F	460	°C	238
66 psi (0.45 MP) Load		°F	491	°C	255
CLTE. -40 °C - +35 °C (-40 °F - +95 °F)	D 696	in/in/°F	1.33 E-5	mm/mm/°C	2.39 E-5
Melting Point	D 3418	°F	496	°C	259
FLAMMABILITY					
UL 94 Flame Class. 0.058" (1.47mm)	UL 94	-	HB	-	HB

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)