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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	-	1.39	-	1.39
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
Flexural Strength. 73°F (23°C)	D 790	psi E3	30	MPa	207
Flexural Modulus. 73°F (23°C)	D 790	psi E3	1,100	MPa	7,590
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D256	ft-lb/in	1.5	J/m	80
Izod Impact, notched. 73°F (23°C), 4 mm	ISO 180	-	-	kJ/m ²	8
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	442	°C	228
66 psi (0.45 MPa), Load		°F	-	°C	-
CLTE. -40 °C - +35 °C (-40 °F - +95 °F)	D 696	in/in/°F	1.33 E-5	m/m/°C	2.39 E-5
Melting Point	D 3418	°F	484	°C	251
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 2019)