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Product Data Sheet

INJECTOBLEND™ FPP230

Polypropylene, 30% Glass Reinforced

Properties / Reported DAM	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
PHYSICAL					
Specific Gravity, solid	D 792	-	1.12	-	1.12
Mold Shrinkage, 0.125" (3.2mm)	D 955	%	0.3 – 1.1	%	0.3 – 1.1
Fiberglass Content	D 2584	%	30	%	30
MECHANICAL					
Tensile Strength @ Yield. 73°F (23°C)	D 638	psi	8,700	MPa	60
Tensile Elongation @ Break. 73°F (23°C)	D 638	%	3	%	3
Tensile Modulus. 73°F (23°C)	D 638	ksi	620	GPa	4.3
Flexural Strength. 73°F (23°C)	D 790	psi	14,500	MPa	100
Flexural Modulus. 73°F (23°C)	D 790	psi	680,000	MPa	4,700
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D 256	ft-lb/in	1.5	J/m	80
Gardner Impact 73°F (23°C), 0.125" (3.2mm)	D 5420	in-lb	7	J	0.8
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	284	°C	140
66 psi (0.45 MPa), Load		°F	309	°C	154
Melting Point	D 3418	°F	327	°C	164
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)