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Product Data Sheet

INJECTOBLEND™ FPP320

Polypropylene, 20% Talc Filled

Properties	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
PHYSICAL					
Specific Gravity, solid	D 792	-	1.06	-	1.06
Mold Shrinkage, 0.125" (3.2mm)	D 955	%	1.0 - 1.7	%	1.0 - 1.7
Filler Content	D 2584	%	20	%	20
MECHANICAL					
Tensile Strength @ Yield. 2in/min (50mm/min), 73°F (23°C)	D 638	psi	4,200	MPa	29
Tensile Elong. @ Yield. 2in/min (50mm/min), 73°F (23°C)	D 638	%	4	%	5.5
Flexural Strength. 73°F (23°C)	D 790	psi	6,800	MPa	47
Flexural Modulus. 73°F (23°C)	D 790	psi	319,000	MPa	2,200
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D 256	ft-lb/in	0.7	J/m	37.4
Dart Impact. -22°F (-30°C), 0.125" (3.2mm)	GM9300P	ft-lb	-	J	-
Gardner Impact 73°F (23°C), 0.125" (3.2mm)	D 5420	in-lb	6	J	0.7
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	154	°C	68
66 psi (0.45 MPa), Load		°F	234	°C	112
Melting Point.	D 3418	°F	329	°C	165
CLTE. 20 °C - +75 °C (68 °F - +167 °F)	D 696	in/in/°F	-	mm/mm/°C	-
FLAMMABILITY					
FMVSS302. 0.080" (2.02mm)	ISO 3795	mm/min	< 100	mm/min	< 100

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)