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# Product Data Sheet

## INJECTOBLEND™ FABSPC003

### ABS/PC Blend

Properties / Reported DAM	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
<b>PHYSICAL</b>					
Specific Gravity, solid	D 792	-	1.13	-	1.13
Mold Shrinkage, 0.125" (3.2mm)	D 955	%	0.5-0.8	%	0.5-0.8
Water Absorption, 73F (23C), 24 hrs	D 570	%	0.10	%	0.10
<b>MECHANICAL</b>					
Tensile Strength @ Yield, 73°F (23°C)	D 638	psi	7,200	MPa	50
Tensile Elongation @ Break, 73°F (23°C)	D 638	%	75	%	75
Tensile Modulus, 73°F (23°C)	D 638	ksi	297	GPa	2.05
Flexural Strength, 73°F (23°C)	D 790	psi	11,000	MPa	76
Flexural Modulus, 73°F (23°C)	D 790	psi	305,000	MPa	2,103
Izod Impact, notched, 73°F (23°C), 0.125" (3.2mm)	D 256	ft-lb/in	11.0	J/m	587
Izod Impact, notched, -22°F (-30°C), 0.125" (3.2mm)	D 256	ft-lb/in	8.0	J/m	427
Instrumented Impact Total Energy, 73°F (23°C), 0.125" (3.2mm)	D 3763	ft-lb	40	J	54
Instrumented Impact Total Energy, -22°F (-30°C), 0.125" (3.2mm)	D 3763	ft-lb	44	J	60
<b>THERMAL</b>					
Deflection Temperature, unannealed	D 648	264 psi (1.82 MPa), Load	°F	219	°C
		66 psi (0.45 MPa), Load	°F	230	°C
CLTE, -40 °C - +80 °C ( -40 °F - +176 °F )	D 696	in/in/°F	4.0 E-5	mm/mm/°C	7.2 E-5
Glass Transition.	D 3418	°F	226, 275	°C	108, 135
<b>FLAMMABILITY</b>					
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)