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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
PHYSICAL					
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, 73°F (23°C), 24 hrs	D 570	%	0.10	%	0.10
MECHANICAL					
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
Flexural Strength, 73°F (23°C)	D 790	psi	11,000	MPa	76
Flexural Modulus, 73°F (23°C)	D 790	psi	275,000	MPa	1,898
Izod Impact, notched, 73°F (23°C), 0.125" (3.2mm)	D256	ft-lb/in	11.0	J/m	587
Izod Impact, notched, -22°F (-30°C), 0.125" (3.2mm)	D256	ft-lb/in	8.0	J/m	427
Izod Impact, notched, 73°F (23°C), 4 mm	ISO 180	-	-	kJ/m ²	46
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
THERMAL					
Deflection Temperature, unannealed	D 648	°F	234	°C	112
264 psi (1.82 MPa), Load		°F	259	°C	126
66 psi (0.45 MPa), Load					
CLTE, -40 °C - +80 °C (-40 °F - +176 °F)	D 696	in/in/°F	4.0 E-5	m/m/°C	7.2 E-5
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)