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Product Data Sheet

INJECTOBLEND™ FABSO07

General Purpose ABS

Properties / Reported DAM	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	%	0.4-0.7	%	0.4-0.7
Melt Flow Rate @ 220°C / 10kg, nominal	D 1238	-	-	g/10min	9.5
MECHANICAL					
Tensile Strength @ Yield. 73°F (23°C)	D 638	psi	6,400	MPa	44
Tensile Elongation @ Yield. 73°F (23°C)	D 638	%	9	%	9
Tensile Modulus 73°F (23°C)	D 638	ksi	312	GPa	2.15
Flexural Strength. 73°F (23°C)	D 790	psi	9,600	MPa	66
Flexural Modulus. 73°F (23°C)	D 790	psi	330,000	MPa	2,275
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D 256	ft-lb/in	2.8	J/m	150
Izod Impact, notched. 0°F (-18°C), 0.125" (3.2mm)	D 256	ft-lb/in	1.2	J/m	64
Instrumented Impact Total Energy. 73°F (23°C), 0.125" (3.2mm)	D 3763	ft-lb	26.5	J	36
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	176	°C	80
66 psi (0.45 MPa), Load		°F	190	°C	88
CLTE. -40 °C - +80 °C (-40 °F - +176 °F)	D 696	in/in/°F	5.3 E-5	mm/mm/°C	9.5 E-5
Glass Transition Temperature	D 3418	°F	222	°C	106
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)