

951 Douglas Road
 Batavia, IL 60510
 (847) 534-6600



Product Data Sheet

INJECTOBLEND™ FPC120

Impact Modified Polycarbonate

Properties / Reported DAM	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
PHYSICAL					
Specific Gravity, solid	D 792	-	1.19	-	1.19
Mold Shrinkage, 0.125" (3.2mm)	D 955	%	0.5-0.8	%	0.5-0.8
Water Absorption, 73F (23C), 24 hrs	D 570	%	0.15	%	0.15
Melt Flow Rate @ 300C / 1.2kg, nominal	D 1238	g/10min	20	g/10min	20
MECHANICAL					
Tensile Strength @ Yield, 73°F (23°C)	D 638	psi	8,400	MPa	58
Tensile Elongation @ Break, 73°F (23°C)	D 638	%	50	%	50
Flexural Strength, 73°F (23°C)	D 790	psi	12,500	MPa	86
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	13.0	J/m	694
Izod Impact, notched, -22°F (-30°C), 0.125" (3.2mm)	D 256	ft-lb/in	7.0	J/m	374
Instrumented Impact Total Energy, 73°F (23°C), 0.125" (3.2mm)	D 3763	ft-lb	42	J	57
Instrumented Impact Total Energy, -22°F (-30°C), 0.125" (3.2mm)	D 3763	ft-lb	46	J	63
THERMAL					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	259	°C	126
66 psi (0.45 MPa), Load		°F	280	°C	138
CLTE, -40 °C - +80 °C (-40 °F - +176 °F)	D 696	in/in/°F	4.31 E-5	mm/mm/°C	7.76 E-5
Glass Transition Temperature	D 3418	°F	289	°C	143
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)