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# Product Data Sheet

## INJECTOBLEND™ FPOM110

### Acetal Copolymer

Properties / Reported DAM	Test Method	English (U.S.)	Units System	Metric (S.I.)	Units System
<b>PHYSICAL</b>					
Specific Gravity, solid	D 792	-	1.41	-	1.41
Mold Shrinkage, 0.125" (3.2mm)	D 955	%	1.8 – 2.2	%	1.8 – 2.2
Water Absorption, 73F (23C), 24 hrs	D 570	%	0.3	%	0.3
Water Absorption, Saturation 73F (23C)	D 570	%	0.9	%	0.9
Melt Flow Rate	D 1238	g/10min	10	g/10min	10
<b>MECHANICAL</b>					
Tensile Strength @ Yield, 73°F (23°C)	D 638	psi	9,000	MPa	62
Tensile Elongation @ Break, 73°F (23°C)	D 638	%	20	%	20
Flexural Strength, 73°F (23°C)	D 790	psi	13,500	MPa	93
Flexural Modulus, 73°F (23°C)	D 790	psi	390,000	MPa	2,691
Izod Impact, notched, 73°F (23°C), 0.125" (3.2mm)	D256	ft-lb/in	1.1	J/m	59
Izod Impact, notched, 73°F (23°C), 4 mm	ISO 180	-	-	kJ/m <sup>2</sup>	5.0
<b>THERMAL</b>					
Deflection Temperature, unannealed	D 648				
264 psi (1.82 MPa), Load		°F	221	°C	105
66 psi (0.45 MPa), Load		°F	320	°C	160
Melting Point	D 3418	°F	325	°C	163
CLTE, -40°C to +35°C (-40°F to +95°F)	D 696	in/in/°F	-	in/in/°C	-
<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. (APR2019)