DynaMix™ XP-66LGR

Polyamide 66 Alloy

Polymer Dynamix

Message:

Glass Filled PA 66 Alloy
Features:
High Heat Resistance
Great Dimensional Stability
Low Warpage
High Flow
Applications:
Aviation
Industrial
Metal and Long Glass Replacement
Automotive
Sporting Goods

General Information	
Filler / Reinforcement	Glass Fiber
Features	Good Dimensional Stability High Flow High Heat Resistance Low Warpage
Uses	Aircraft Applications Automotive Applications Industrial Applications Metal Replacement

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ASTM D638
-- [1]	18600	MPa	
--	23800	MPa	
Tensile Strength			ASTM D638
Break [2]	193	MPa	
Break	293	MPa	
Tensile Elongation			ASTM D638
Break [3]	3.4	%	
Break	2.3	%	
Flexural Modulus			ASTM D790
-- [4]	15500	MPa	
--	20700	MPa	

Flexural Strength [5]	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- [6]	1500	J/m	
--	130	J/m	
Unnotched Izod Impact			ASTM D256
-- [7]	120	J/m	
--	1200	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 250	°C	ASTM D648
Melting Temperature	260	°C	

NOTE	
1.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.
2.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.
3.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.
4.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.
5.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.

6.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.
7.	50% Rh specimen accelerated conditioning was conducted in accordance to modified ISO-1110 procedure Specimens were conditioned in sealed chamber at 70°C and 50% Rh for at least 2 weeks.

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