

DynaMix™ 4140

Polyphthalamide

Polymer Dynamix

Message:

- Glass Filled PPA Alloy
- Features:
 - Great Chemical Resistance
 - Excellent Processability
 - Good Dimensional Stability
- Applications:
 - Automotive
 - Industrial
 - Military
 - Aerospace

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
Uses	Aerospace Applications		
	Automotive Applications		
	Industrial Applications		
	Military Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	192	MPa	ASTM D638
Tensile Elongation (Break)	2.0 to 3.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	285	°C	ASTM D648

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