

# DynaMix™ 3644-GB

Polyphthalamide

Polymer Dynamix

Message:

- Modified PEEK
- Features:
  - Excellent Chemical Resistance
  - Excellent Processability
  - Good Dimensional Stability
- Low Density
- Applications:
  - Automotive
  - Industrial
  - Small Appliances

General Information	
Filler / Reinforcement	Glass Fiber
Features	Good Chemical Resistance
	Good Dimensional Stability
	Good Processability
	Low Density
Uses	Appliance Components
	Appliances
	Automotive Applications
	Industrial Applications

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength (Yield)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	2.1	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256

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