

**PA612 GF43L BK**  
**Glass Reinforced, Impact Resistant, Nylon 612**

**PA612 GF43L BK** is a 43% glass fiber reinforced nylon 612 offering an excellent balance of dimensional stability, tensile strength and impact resistance. Nylon 612 features lower moisture absorption than nylon 6 or nylon 66.

Property	Test Method	Units	Value
			DAM
<b>Mechanical</b>			
Tensile Strength	ASTM D 638	psi	29,000
Elongation @ Break	ASTM D 638	%	2.8
Flexural Modulus	ASTM D 790	psi	1,600,000
Izod Impact	ASTM D256	ft lb/in	3.2
<b>Thermal</b>			
Heat Deflection Temperature 1.8 Mpa (264 psi)	ASTM D 648	°F	401
Melting Point	ASTM D 3418	°F	423
<b>Other</b>			
Specific Gravity	ASTM D 792		1.42
<b>Processing</b>			
Melt Temperature Range		°F	530-570
Mold Temperature Range		°F	160-210
Processing Moisture Content		%	<0.15

Mechanical properties measured at 23°C (73°F)

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since JEDA Polymers, LLC cannot anticipate all variations in actual end-use conditions. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. Caution: Do not use this product in medical applications involving permanent implantation in the human body.