



# JLON-3600 MATERIAL DATA SHEET

JLON-3600 resin offers exceptional hydrolytic stability, and toughness that is superior to other high-temperature engineering resins.

It features high deflection temperatures and outstanding resistance to environmental stress cracking. The polymer is inherently flame retardant, and also has excellent thermal stability and good electrical properties.

It was chosen as our insert material because it is especially well-suited for parts requiring long flow length with thin walls.

## Product Data JLON-3600

ASTM Typical Values (I) Test U.S. Customary Units SI Units, Property Method Value Units Mechanical

Maximum Temperature		620 °F
Property Tested	ASTM Method	Value
Specific Gravity	D 792	2.12
Tensile Strength	D 4894	1,950 psi
Compressive Modulus	D 695	84,000 psi
Tensile Elongation at break	D 4894	40%
Compressive Strength at 2% offset	D 695	1,650 psi
Compressive Strength at 5% offset	D 695	2,670 psi
Hardness	D 2240	70 Shore D

\*The preceding data gives the typical properties of the selected JLON-3600 material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used only as a guide at your discretion and risk. Flow Smart cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.