

Technical Data Sheet

**Comtuf 607**

Polyamide 66
LyondellBasell Industries

Product Description

Impact Modified, Flow Enhanced Nylon 6/6

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• High Impact Resistance		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA66		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.07 g/cm ³	1.07 g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.013 in/in	1.3 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	6900 psi	47.6 MPa	ASTM D638
Tensile Elongation (Break)	240 %	240 %	ASTM D638
Flexural Strength	9200 psi	63.4 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	5.3 ft·lb/in	280 J/m	ASTM D256
Unnotched Izod Impact	No Break	No Break	ASTM D4812
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	214 °F	101 °C	ISO 75-2
264 psi (1.8 MPa), Unannealed	124 °F	51.1 °C	ASTM D648

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	150 to 200 °F	66 to 93 °C

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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