

Technical Data Sheet

Lucent Pa G6-35HQL

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description

35% Glass Fiber Reinforced, Heat Stabilized, Lubricated, UV Stable, Nylon 6

General

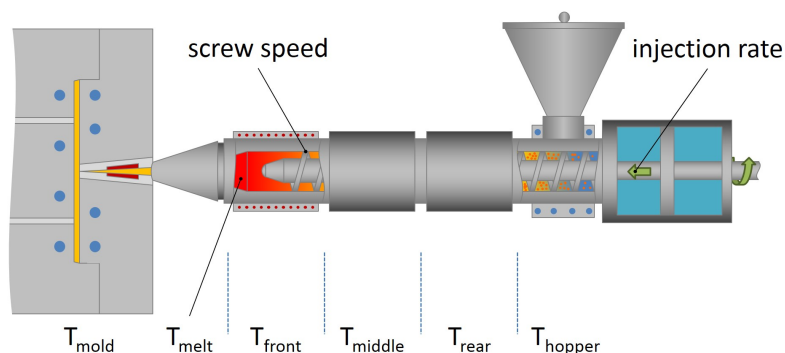
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Appearance	• Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.38	1.38 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	19000 psi	131 MPa	ASTM D638
Flexural Modulus	900000 psi	6210 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	1.2 ft·lb/in	64 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	400 °F	204 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	480 to 520 °F	249 to 271 °C
Mold Temperature	180 to 200 °F	82 to 93 °C

Notes

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