

LEONA™ BG230

Asahi Kasei Corporation - Polyamide 610

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	
	• Asia Pacific	• North America	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• Hydrolysis Resistant	• Renewable Resource Content
Uses	• Automotive Applications	• Structural Parts	
	• Electrical/Electronic Applications	• Tanks	
Part Marking Code (ISO 11469)	• >PA610-GF30<		

Properties¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.80	--	%	
Flow	0.20	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	0.90	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	1.38E+6	1.16E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	24700	18900	psi	ISO 527-2
Tensile Strain (Break, 73°F)	4.0	6.0	%	ISO 527-2
Flexural Modulus (73°F)	1.35E+6	1.13E+6	psi	ISO 178
Flexural Strength (73°F)	38900	30600	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	4.8	5.7	ft·lb/in ²	ISO 179
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	94	83		ISO 2039-2
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	405	--	°F	ISO 75-2/A
CLTE - Flow	1.1E-5	--	in/in/°F	ASTM D696

Processing Information

Injection	Dry Unit
Drying Temperature - Vacuum Dryer	176 to 194 °F
Drying Time - Vacuum Dryer	2.0 to 3.0 hr
Processing (Melt) Temp	518 to 554 °F
Mold Temperature	167 to 185 °F

Notes
¹ Typical properties: these are not to be construed as specifications.
