

**LEONA™ 14G45 \*33D7**

Asahi Kasei Corporation - Polyamide 66

**General Information**

General			
Material Status	• Commercial: Active <sup>1</sup>		
Availability	• Africa & Middle East	• Europe	
	• Asia Pacific	• North America	
Filler / Reinforcement	• Glass Fiber, 45% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized		
Uses	• Automotive Applications	• Electrical/Electronic Applications	• Structural Parts
Appearance	• Black		
Part Marking Code (ISO 11469)	• >PA66-GF45<		

**Properties <sup>2</sup>**

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	2.26E+6	--	psi	ISO 527-1
Tensile Stress (Break, 73°F)	34700	--	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.1	--	%	ISO 527-2
Flexural Modulus (73°F)	2.07E+6	--	psi	ISO 178
Flexural Stress (73°F)	53500	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	8.1	--	ft·lb/in <sup>2</sup>	ISO 179

**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	527 to 563 °F
Mold Temperature	167 to 185 °F

**Notes**
<sup>1</sup> All data is provisional.

<sup>2</sup> Typical properties: these are not to be construed as specifications.
