LEONA™ 90G60

PA66-GF60 — Asahi Kasei

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**22600 / 13700**	MPa	ISO 527
[C] Stress at break	**246 / 176**	MPa	ISO 527
[C] Strain at break	**2 / 3**	%	ISO 527
Flexural modulus, 23°C	**15800 / 12200**	MPa	ISO 178
Flexural strength	**324 / 210**	MPa	ISO 178
Charpy impact strength, +23°C	**56 / 54**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**14 / 15**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 120**	-	ISO 2039-2
ASTM Data			
Tensile Strength	**190 / 148**	MPa	ASTM D 638
Elongation at Break	**2 / 3**	%	ASTM D 638
Flexural Modulus	**16000 / 12900**	MPa	ASTM D 790
Flexural Strength	**300 / 234**	MPa	ASTM D 790
Rockwell Hardness	**M 95 / M 88**	-	ASTM D 785
Izod Impact notched, 1/8 in	**95 / 100**	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**210 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**230 / ***	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	**20**	E-6/K	ASTM D 696
DTUL @ 264 psi	**225**	°C	ASTM D 648

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Surface resistivity	*** / 1E13**	Ohm	IEC 62631-3-2
[C] Electric strength	**28 / -**	kV/mm	IEC 60243-1
[C] Comparative tracking index	**475 / -**	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	**28 / -**	kV/mm	ASTM D 149

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Humidity absorption	**1 / ***	%	Sim. to ISO 62
[C] Density	**1720 / -**	kg/m³	ISO 1183
Density	**1710**	kg/m³	ASTM D 792

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**2 - 3**	h	-
Melt temperature	**275 - 295**	°C	-
Mold temperature	**85 - 95**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Delivery form
Pellets, Black

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

U.V. stabilized or stable to weather