Leona™ 90G60 BK

Asahi Kasei Corporation - Polyamide 66/6I Copolymer

Tuesday, April 6, 2021

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	
Filler / Reinforcement	• Glass Fiber, 60% Filler by Weight		
Features	• Good Stiffness • Good Strength	• High Flow • Pleasing Surface Appearance	• UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Industrial Applications • Windows & Doors	

ASTM & ISO Properties [1]

Physical	Dry	Conditioned	Unit	Test Method
Density	1.72	--	g/cm³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.50	--	%	
Flow	0.20	--	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	--	1.0	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	22600	13700	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	246	176	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	3.0	%	ISO 527-2
Flexural Modulus (23°C)	18700	17300	MPa	ISO 178
Flexural Stress (23°C)	397	291	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	14	15	kJ/m²	ISO 179
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	95	--		ISO 2039-2
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				ISO 75-2/A
1.8 MPa, Unannealed	221	--	°C	
CLTE - Flow	2.0E-5	--	cm/cm/°C	ASTM D696
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Electric Strength	28	--	kV/mm	IEC 60243-1
Comparative Tracking Index				IEC 60112
3.00 mm	475	--	V	

Notes

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