

Akulon® IG-HG5

(PA46+PA6)-GF25

25% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage [parallel]	0.4 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.2 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	9000 / 5000	MPa	ISO 527-1/-2
Tensile modulus (120°C)	4000 / -	MPa	ISO 527-1/-2
Tensile modulus (180°C)	3300	MPa	ISO 527-1/-2
Tensile modulus (200°C)	2900	MPa	ISO 527-1/-2
Stress at break	190 / 105	MPa	ISO 527-1/-2
Stress at break (120°C)	90 / -	MPa	ISO 527-1/-2
Stress at break (180°C)	75	MPa	ISO 527-1/-2
Stress at break (200°C)	55	MPa	ISO 527-1/-2
Strain at break	3.5 / 10	%	ISO 527-1/-2
Strain at break (120°C)	9.6 / -	%	ISO 527-1/-2
Strain at break (180°C)	10	%	ISO 527-1/-2
Strain at break (200°C)	10	%	ISO 527-1/-2
Charpy impact strength (+23°C)	65 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	280 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75-1/-2



Property Data (Provisional)

Akulon[®] IG-HG5

Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	2.3 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m ³	ISO 1183

