

Akulon® IG-HG7

(PA46+PA6)-GF35

35% 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]	1.1 / *	%	Sim. to ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	12000 / 7000	MPa	ISO 527-1/-2
Tensile modulus (120°C)	5200 / -	MPa	ISO 527-1/-2
Tensile modulus (180°C)	4500	MPa	ISO 527-1/-2
Tensile modulus (200°C)	3800	MPa	ISO 527-1/-2
Stress at break	220 / 135	MPa	ISO 527-1/-2
Stress at break (120°C)	100 / -	MPa	ISO 527-1/-2
Stress at break (180°C)	85	MPa	ISO 527-1/-2
Stress at break (200°C)	60	MPa	ISO 527-1/-2
Strain at break	3.2 / 8	%	ISO 527-1/-2
Strain at break (120°C)	8.5 / -	%	ISO 527-1/-2
Strain at break (180°C)	9	%	ISO 527-1/-2
Strain at break (200°C)	9	%	ISO 527-1/-2
Charpy impact strength (+23°C)	85 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14 / -	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)	255 / *	°C	ISO 75-1/-2



Property Data (Provisional)

Akulon[®] IG-HG7

Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	1440 / -	kg/m ³	ISO 1183

