

Akulon® IG-HG10

(PA46+PA6)-GF50

50% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	16000 / -	MPa	ISO 527-1/-2
Tensile modulus (120°C)	7500 / -	MPa	ISO 527-1/-2
Tensile modulus (200°C)	5100	MPa	ISO 527-1/-2
Stress at break	240 / -	MPa	ISO 527-1/-2
Stress at break (120°C)	115 / -	MPa	ISO 527-1/-2
Stress at break (200°C)	65	MPa	ISO 527-1/-2
Strain at break	2.7 / -	%	ISO 527-1/-2
Strain at break (120°C)	6.5 / -	%	ISO 527-1/-2
Strain at break (200°C)	7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	90 / -	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)	258 / *	°C	ISO 75-1/-2

