

Akulon[®] IG–HG10

(PA46+PA6)–GF50

50% Glass Reinforced, Heat Stabilized

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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

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