

Akulon[®] RePurposed RE30H (K-X08936)**PA6—GF30**

30% Glass Reinforced, Recycled Content, Heat Stabilized

Sustainability

Recycled based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9600 / 5500	MPa	ISO 527-1/-2
Stress at break	175 / 95	MPa	ISO 527-1/-2
Strain at break	3.2 / 6.5	%	ISO 527-1/-2
Flexural modulus	8800 / –	MPa	ISO 178
Flexural strength	265 / –	MPa	ISO 178
Tensile modulus (200°C)	2200	MPa	ISO 527-1/-2
Stress at break (200°C)	30	MPa	ISO 527-1/-2
Strain at break (200°C)	9.1	%	ISO 527-1/-2
Charpy impact strength (+23°C)	80 / –	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	70 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / –	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	9 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	DRY / COND		
Water absorption	6.3 / *	%	Sim. to ISO 62



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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	1340 / –	kg/m³	ISO 1183

