

Akulon® RePurposed RE BK00003

PA6

Recycled Content

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Properties	Typical Data	Unit	Test Method
Mechanical properties dry / cond			
Tensile modulus	3000 / -	MPa	ISO 527-1/-2
Nominal strain at break	14 / -	%	ISO 527-1/-2
Yield stress	70 / -	MPa	ISO 527-1/-2
Yield strain	3 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / -	kJ/m ²	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)	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	150 / *	°C	ISO 75-1/-2
Other properties dry / cond			
Water absorption	9 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183