

Akulon® N22D-H

PA6

Low Viscosity

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	3500 / -	MPa	ISO 527-1/-2
Nominal strain at break	14 / -	%	ISO 527-1/-2
Yield stress	72 / -	MPa	ISO 527-1/-2
Yield strain	3.5 / -	%	ISO 527-1/-2
Flexural modulus	2900 / -	MPa	ISO 178
Flexural strength	110 / -	MPa	ISO 178
Charpy impact strength (+23°C)	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	5.5 / -	kJ/m ²	ISO 180/1A
Thermal properties	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	65 / *	°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	1120 / -	kg/m ³	ISO 1183

