

Akulon[®] N22D-H

PA6

Low Viscosity

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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

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