

Akulon[®] N22D\T3.03.06

PA6

Low Viscosity

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Molding shrinkage (parallel)	1.3 / *	%	ISO 294-4
Molding shrinkage (normal)	1.3 / *	%	ISO 294-4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Tensile modulus	2900 / -	MPa	ISO 527-1/-2
Stress at break	50 / -	MPa	ISO 527-1/-2
Strain at break	10 / -	%	ISO 527-1/-2
Yield stress	65 / -	MPa	ISO 527-1/-2
Yield strain	3.8 / -	%	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)	5 / -	kJ/m ²	ISO 179/1eA
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	50 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	135 / *	°C	ISO 75-1/-2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
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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