

Akulon® N22D\99.99.99

PA6

Low Viscosity, Injection Molding, Unreinforced

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Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	1.2 / *	%	ISO 294-4
Molding shrinkage (normal)	1.2 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	2900 / -	MPa	ISO 527-1/-2
Nominal strain at break	15 / -	%	ISO 527-1/-2
Yield stress	75 / -	MPa	ISO 527-1/-2
Yield strain	3.5 / -	%	ISO 527-1/-2
Flexural modulus	2600 / -	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
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	1130 / -	kg/m ³	ISO 1183

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