

Akulon® N22D

DSM Engineering Plastics - Polyamide 6

Friday, August 16, 2019

General Information

Product Description

Low Viscosity

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low Viscosity		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA6		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	9.0	%	ISO 62
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Stress (Yield)	72.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.5	%	ISO 527-2
Nominal Tensile Strain at Break	14	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	220	°C	ISO 11357-3

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min