

**DSM Engineering Plastics - Polyamide 6** 

Friday, August 16, 2019

General Information						
Product Description						
Low Viscosity						
General						
Material Status	Commercial: Active					
Availability	<ul><li> Africa &amp; Middle East</li><li> Asia Pacific</li></ul>	<ul><li>Europe</li><li>Latin America</li></ul>	North America			
Features	Low Viscosity					
Processing Method	Injection Molding					
Resin ID (ISO 1043)	• PA6					

ASTM & ISO Properties <sup>1</sup>					
Physical	Nominal Value	Unit	Test Method		
Density	1.12	g/cm <sup>3</sup>	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/m²	ISO 179/1eA		
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU		
Thermal	Nominal Value	Unit	Test Method		
Melting Temperature <sup>2</sup>	220	°C	ISO 11357-3		

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min



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