

Novamid® 1040J

PA6

Film Extrusion, Very High Viscosity

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	3100 / -	MPa	ISO 527-1/-2
Yield stress	80 / -	MPa	ISO 527-1/-2
Yield strain	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
Thermal properties	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	58 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	160 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183
Material specific properties	dry / cond		
Viscosity number	307 / *	cm ³ /g	ISO 307, 1157, 1628



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Viscosity-shear rate

