

Nylatron® GS-S

Property Data

PA66

MoS2 Lubricated

Properties	Typical Data	Unit	Test Method
MECHANICAL PROPERTIES		dry / cond	
Tensile modulus	3600 / 1500	MPa	ISO 527-1/-2
Yield stress	95 / 60	MPa	ISO 527-1/-2
Yield strain	3.5 / 20	%	ISO 527-1/-2
Nominal strain at break	10 / 25	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	4.7 / -	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES		dry / cond	
Temp. of deflection under load (1.80 MPa)	85 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	230 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
OTHER PROPERTIES		dry / cond	
Water absorption	8.5 / *	%	Sim. to ISO 62
Humidity absorption	2.3 / *	%	Sim. to ISO 62
Density	1160 / *	kg/m ³	ISO 1183

a **DSM**Product

Unlimited. **DSM**

