

# Nylatron<sup>®</sup> GS-S

## PA66

MoS2 Lubricated

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b>MECHANICAL PROPERTIES</b>			
	<i>DRY / COND</i>		
Tensile modulus	3700 / 1500	MPa	ISO 527-1/-2
Stress at break	90 / 60	MPa	ISO 527-1/-2
Strain at break	7 / 20	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	4.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
	<i>DRY / COND</i>		
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
<b>OTHER PROPERTIES</b>			
	<i>DRY / COND</i>		
Water absorption	8.5 / *	%	Sim. to ISO 62
Humidity absorption	2.3 / *	%	Sim. to ISO 62
Density	1160 / *	kg/m <sup>3</sup>	ISO 1183