

# Nylatron<sup>®</sup> GS-HS

## PA66

MoS2 Lubricated, Heat Stabilized

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<i>DRY / COND</i>		
Molding shrinkage (normal)	1.4 / *	%	ISO 294-4
<b><i>MECHANICAL PROPERTIES</i></b>			
	<i>DRY / COND</i>		
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 <sup>2</sup>	ISO 179/1eA
<b><i>THERMAL PROPERTIES</i></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><i>OTHER PROPERTIES</i></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