

TRIBOFORCE® PA66 C0200

Polyamide 66

LEIS Polytechnik - polymere Werkstoffe GmbH

Message:

polyamide 6.6, carbon fibre reinforced, wear and friction modified, heat stabilized

General Information			
Filler / Reinforcement	Carbon Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Lubricated		

Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	MPa	ISO 527-2
Tensile Stress	160	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Coefficient of Friction			ASTM G137
vs. Steel - Dynamic ¹	0.22		
vs. Steel - Dynamic ²	0.20		
Wear Factor ³			ASTM G137
3.0 MPa, 1.0 m/sec	20	10 ⁻⁸ mm ³ /N · m	
5.0 MPa, 1.0 m/sec	100	10 ⁻⁸ mm ³ /N · m	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	20	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	ISO 11357-3

Additional Information	Nominal Value
Temperature of Use - Long-Time	
< 130°C	Yes
130 to 200°C	No
200 to 260°C	No
260 to 300°C	No

NOTE	
1.	5 MPa, 1 m/s, dry
2.	3 MPa, 1 m/s, dry
3.	Steel

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

