ENGINEERING DATA SHEET

DSM 5.1.9

Iglidur® J

General:

Iglidur® J is a self-lubricating, wear-resistant engineering polymer developed by Igus for plain bearing applications.

Key Features:

- Excellent wear resistance at room temperature
- Good wear resistance at medium temperatures
- Excellent coefficient of friction
- Low humidity absorption
- High media resistance
- Resistant to edge pressure
- Resistant to shocks and impacts
- Resistant to dirt and dust
- Mould-resistant according to DIN EN ISO 846

When To Use It?

- For high speeds
- When highest wear resistance at low to medium pressures is required
- Low wear against different shafts
- When a low coefficient of friction in dry operation is requested
- For vibration dampening
- When good chemical resistance is required
- For best performance with soft shaft materials
- Low humidity absorption

Properties:

These values are representative. For critical applications, refer to datasheet.

PROPERTIES		
Basic Properties	**Value**	**Unit**
Flexural Strength	73	MPa
Density	1.49	g/cm³
Flexural Modulus	2400	MPa
Max Surface Pressure (20°C)	35	MPa
Shore D Hardness	74	Shore D
Specific Volume Resistivity	$>10^{13}$	Ωcm
Surface Resistivity	$>10^{12}$	Ω
PV Value, Max (dry)	0.34	MPa m/s
Coefficient of Friction, Dynamic, Against Steel	0.06 - 0.18	n/a

Alternatives:

Alternative materials are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com