ENGINEERING DATA SHEET

DSM 5.1.10

ASMPT

Iglidur® J3

General:

The iglidur® is a versatile and lubrication-free solution for creating maintenance-free sliding elements and bearings. Crafted from high-performance material, it excels in wear resistance and is ideal for applications in medical technology, special machine construction, and plant construction. With its excellent coefficients of friction and low moisture absorption. Experience durability and flexibility with iglidur® J3, tailored to meet your specific needs.

Key Features:

- Specialist for pivoting and pulsating loads
- Excellent wear resistance at room temperature
- Very good wear resistance at medium temperatures
- Good media-resistance
- Low moisture absorption
- PTFE-free
- Resistant to edge pressure
- Resistant to shocks and impacts
- Resistant to dirt and dust

When To Use It:

- When optimising wear resistance compared to iglidur® J
- When very low coefficient of friction in dry operation are required
- When high wear resistance at low loads is required
- When low moisture absorption is fundamental
- When good liquid media resistance is required

Properties:

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

PROPERTIES		
Basic Properties	**Value**	**Unit**
Flexural Strength	70	MPa
Density	1.42	g/cm³
Flexural Modulus	2700	MPa
Max Surface Pressure	45	MPa
Shore D Hardness	73	Shore D
Specific Volume Resistivity	10^{12}	Ωcm
Surface Resistivity	10^{12}	Ω
PV Value, Max (dry)	0.5	MPa m/s
Coefficient of Friction, Dynamic, Against Steel	0.06 – 0.20	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