

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Paraformaldehyde Stick,Board



1.Description: POM product is the general name of formaldehyde copolymer and homopolymer. It is a linear polymer, known as "saigang plastic", with high density and fast crystallization. Homopom has high density, high melting point and high mechanical strength, but its thermal stability and acid and alkali resistance are worse than those of POM. At present, the common products on the market are the bars and plates of copolymer formaldehyde.

2. Main performance of Paraformaldehyde Stick,Board

- 1) Stable size: temperature and humidity have little effect on product size, better than nylon. Immersion in 80 °C water only increased the size by 1.3%
- 2) Excellent impact performance, It has high impact strength in a wide temperature range, especially it can withstand repeated impact, so it is particularly suitable for manufacturing gears and other repeatedly stressed parts
- 3) It has higher fatigue strength and its fatigue life is longer than polycarbonate, nylon and UPVC. It can resist torsion and recover quickly, which makes it suitable for making light load spring

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4) Good wear resistance, bearing and other wear-resistant parts

5) Good thermal stability, long-term use at - 40 °C - 105 °C, suitable for manufacturing fine tooth gear

6) Good chemical performance, can be used continuously in organic solvent, inorganic salt solution and lubricant, but not resistant to strong acid and alkali

3. Application: because of its good physical properties, chemical properties and mechanical properties, POM can replace metal and alloy, and is widely used in automobile, machine tool chemical industry, electrical instrument, agricultural machinery and other industries. Generally used as bearings, springs, gears, washers. Flange, instrument panel, various casings, impellers, blades, chemical vessels, sprinkler equipment components

4, Main parameters of Paraformaldehyde Stick,Board

ITEM	UNIT	VALUE
Specific gravity	g/cm ³	1.41-1.43
Long term service temperature	°C	-40~100
Specific strength	Mpa	50.5
Specific stiffness	Mpa	2650
Fatigue strength	Mpa	35
Creep property	20°C ,21Mpa,3000h	2.3%
Wear resistance		POM>PA66>ABS>PC

5.Good feedback of product use effect,the products have been exported to Australia, Oman, Kenya

6.We are a professional supplier, who can provide customers with free product technology, use and other issues.

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