

# U01 - POM

Polyacetale, Copolymer, Standard colour: white

- **Suitable for moist environments, good gliding material.**
- **Resistant to mineral oil, HFC, HFD-U, HETG=biological base, acid oils and gases, cold water and diluted acids and bases.**
- **Applicable for Backup Rings and Guide Rings.**

PROPERTIES	VALUE	UNIT	DIN Standard
Hardness	85 ± 3	Shore D	DIN 53505
Density	1,41 - 1,43	g/cm <sup>3</sup>	DIN 53479
Water absorbtion	0,25	%/24h	DIN 53495
Fire performance	94HB		UL 94 Test
Modulus of elasticity in tension	3000	MPa	DIN 53452
Elongation at break	40	%	DIN 53455
Tensile strength at break	70	MPa	DIN 53455
Impact strength	no break	kJ/m <sup>2</sup>	DIN 53453
Ball indentation hardness	160	MPa	DIN 53456
Heat distortion	110	°C	DIN 53461
Therm. coefficient of linear exp.	11	1/K.10 <sup>-5</sup>	DIN 53752
Melting point	164-168	°C	DIN 53736
min. service temperature	-50	°C	
max. service temperature	+90	°C	
Sliding coefficient	0,27	μ	

## Confirmation according FDA

Hereby we, Trygonal, Kunststoffinnovationen GmbH, confirm, that all single components used for our compound named «**POM diet**» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: **FDA § 177.2470, CFR title 21**

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility.

However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.

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**Bex s.r.l.**

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