

ISM 10

Hydrolysis resistant polyurethane, with FDA certification and permanent lubrication for tribological optimization
 colour: grey

- Resistant against mineral oil, HFD-U and HETG- biological base, acid oils and gases, cold water and diluted acids and bases
- Applicable for Rod and Piston seals, wiper seals, rotary seals and static applications

Properties	Value	Unit	DIN Standard
Hardness	95 ± 3	Shore A	DIN 53505
Hardness	49 ± 3	Shore D	DIN 53505
Density	1,21	g/cm ³	DIN EN ISO 1183-1
Compression set 70°C/24h	20	%	DIN ISO 815-1
Compression set 70°C/70h	22	%	DIN ISO 815-1
Compression set 100°C/24h	27	%	DIN ISO 815-1
Elongation at break	382	%	DIN 53504
100% modulus	15,3	N/mm ²	DIN 53504
300% modulus	44,5	N/mm ²	DIN 53504
Rebound resilience	39	%	DIN 53512
Tear strength	40,1	N/mm	DIN 53515
min. service temperature	-30	°C	
max. service temperature constance	+110	°C	
max. service temperature short	+125	°C	

Confirmation according FDA

Hereby we, IST innovative sealing technologies GmbH, confirm, that all single components used for our compound named «ISM 20» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: 21CFR 177.1680

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test productions according to ISO, DIN and ASTM standards and basically not be carried over to complete seal

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 suitable for the intended process and purpose. Utilisation, application and processing of the product 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.