

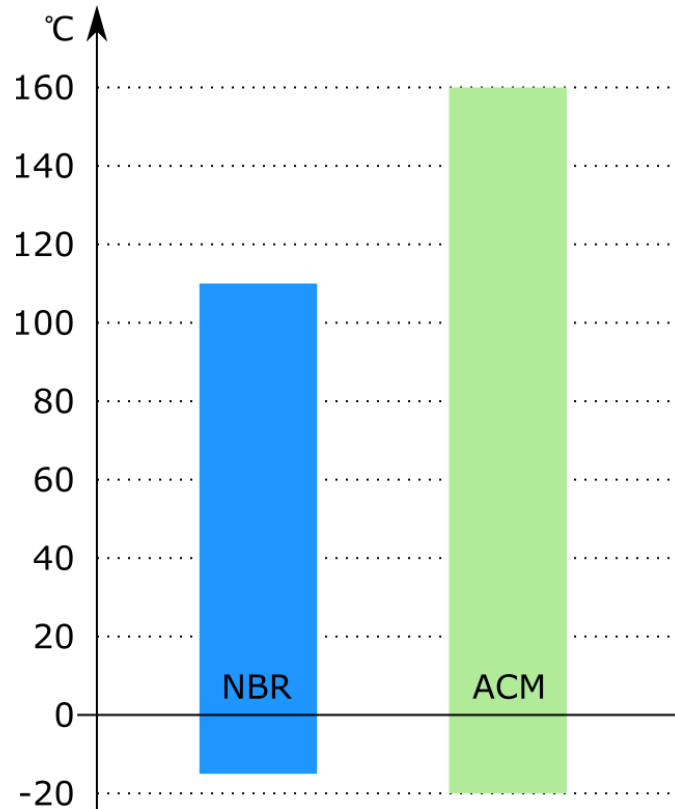
# BEARINGS WITH ACM SEALS



Ima offers numerous solutions to protect bearings from contamination and maintain proper lubrication.

In addition to using nitrile rubber (NBR) seals, which show a temperature limit of + 110° C especially for automotive applications, Ima has introduced a new line of automatic tensioner bearings.

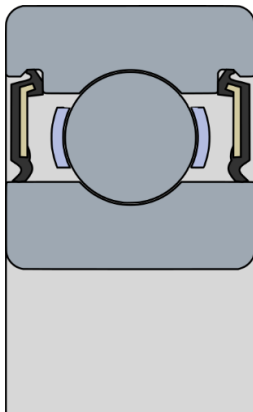
In particular, these bearings are characterized by polyacrylic rubber (ACM) seals that resist up to 160° C.



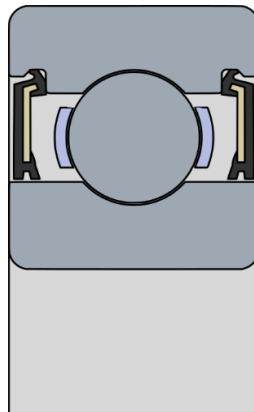
*Comparison between temperature levels*

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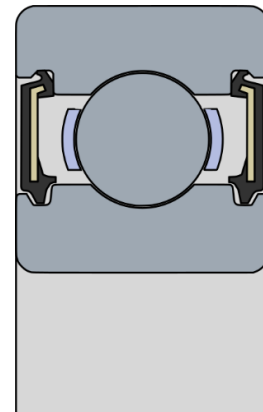
Seals are available in different designs, such as contact, non-contact and low-friction.



*Contact seal*



*Non-contact seal*



*Low-friction seal*

## ACM POLYACRYLIC RUBBER TECHNICAL SHEET

MAIN CHEMICAL STRUCTURE	Co-Ter-, Tetra alkyl-alkoxy alkyl-acrylate polymers and reactive monomers (chlorine-free epoxies or chlorovinyl acetate, or carboxylic acids)
GENERAL PROPERTIES	<ul style="list-style-type: none"> <li>↻ Compound specific weight: 1,25 – 1,40</li> <li>↻ Shore hardness A or IRHD: 50-80</li> <li>↻ Minimum operating temperature: -20°C /-35°C</li> <li>↻ Maximum operating temperature: ++160°C</li> </ul>
MAIN MECHANICAL-PHYSICAL PROPERTIES	<ul style="list-style-type: none"> <li>↻ Good resistance to permanent deformation, including at high temperatures</li> <li>↻ Fair mechanical properties</li> </ul>
OTHER FEATURES	<ul style="list-style-type: none"> <li>↻ Excellent impermeability to air and gas</li> <li>↻ Great UV radiation resistance</li> </ul>
CHEMICAL COMPATIBILITY	<ul style="list-style-type: none"> <li>↻ Great compatibility with animal and mineral oils and grease, vegetal oils (except castor oil), ozone and atmospheric agents</li> <li>↻ Fair compatibility with water, saline solutions and aliphatic hydrocarbons</li> </ul>