

PRODUCT RANGE HT - HIGH TEMPERATURE

High temperature polymers are materials developed to maintain their mechanical and chemical properties under higher temperature conditions compared to conventional polymers. These polymers are used in a wide range of applications, both in industry and in other segments, such as the food and automotive industries, among others.



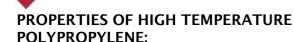
WHAT MATERIAL DOES PISANI USE? AND WHAT ARE ITS PROPERTIES?

High temperature polypropylene is a variant of polypropylene designed to withstand higher temperatures and exhibit excellent chemical resistance and barrier properties. It is a material with a medium fluidity index, suitable for applications that require high rigidity/toughness.

High temperature polypropylene is a popular choice in a variety of applications due to its combination of light weight, strength and ability to withstand harsh conditions.



Figure 1: CN 10



- I. Thermal resistance: It can withstand higher temperatures compared to other polymers.
- 2. Chemical resistance: It is resistant to many chemicals, solvents and acids, making it ideal for industrial applications.
- 3. Low density: It is lighter, which makes it easier to handle and apply in various industries.
- 4. Mechanical properties: It maintains rigidity and toughness at higher temperatures, allowing parts to retain their shape and functionality during application.



Figure 2: CN 28 F

Source: Literatura Técnica Braskem: TDS, Abril/2015; Resistência Química do Polipropileno, Junho/2010.