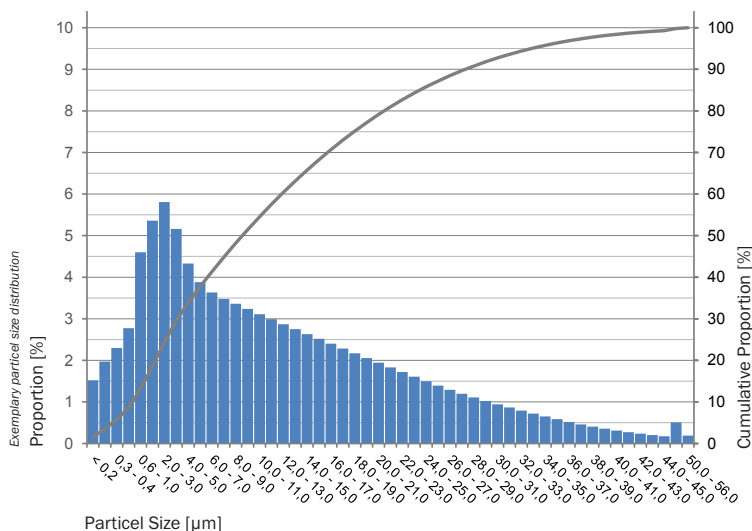


HeBoFill® 511 is a pure Boron Nitride powder with good crystallinity. Its structure allows low to medium filler loadings, which results in very good thermal conductivity. It is particularly suitable for use as a filler in polymers as it increases their low thermal conductivity whilst maintaining the electrically insulating properties at the same time.

- Advantages**
- ▶ Outstanding lubricating properties – also at high temperatures
 - ▶ Very good thermal conductivity
 - ▶ Electrically insulating
 - ▶ High purity
 - ▶ Large single crystals
 - ▶ Provides high filler loadings
 - ▶ Medium specific surface area
 - ▶ Minimal tool wear in comparison to other filler materials

- Typical Applications**
- ▶ Filler in thermal conductivity pastes and potting compounds
 - ▶ Filler for silicone resins, thermoplastics and thermosets
 - ▶ High-temperature additive used in lubricants

- Typical Values**
- ▶ Colour: White
 - ▶ Boron Nitride: > 98.5 %
 - ▶ Total Oxygen: < 1.3 %
 - ▶ Boron Oxide: < 0.2 %
 - ▶ Carbon: < 0.1 %
 - ▶ Specific Surface Area (BET): ~ 14 m²/g
 - ▶ Median Particle Size (D₅₀): 10 µm



- Packing Units**
- ▶ 1 kg and 5 kg in plastic bags
 - ▶ 25 kg in hard paper drums

Storage and Safety Keep dry. Minimum storage life 12 months in original packaging. For further information, please refer to safety data sheet.

The data quoted in this leaflet are typical for the material. They are intended as a guide only and should not be used in preparing detailed specifications. Actual product data may deviate from the figures given. We reserve the right to alter product data within the scope of technical progress and new developments. Since processing involves factors that are beyond our control, recommendations made in this leaflet should be checked by preliminary trials, especially for third party applications. These recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, from clarifying the situation.