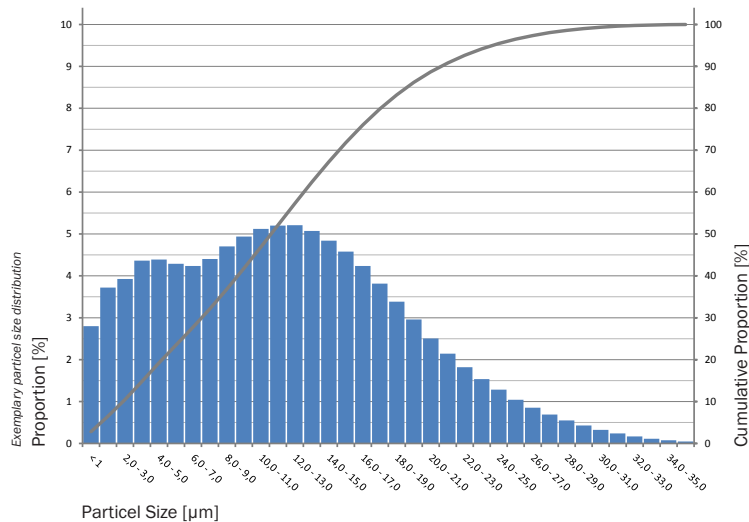


HeBoFill® 641 is a Boron Nitride powder of high purity. Its high crystallinity results in excellent lubrication. The powder is also characterised by a narrow grain size distribution. The high crystallinity results in a relatively low specific surface area. This property enables a low increase in viscosity at high filler loadings.

- Advantages**
- ▶ Optimum release and lubricating properties - also at high temperatures
 - ▶ Very high thermal conductivity
 - ▶ Electrically insulating
 - ▶ High Purity
 - ▶ Low specific surface area
 - ▶ Minimal tool wear in comparison to other filler materials

- Typical Applications**
- ▶ Additive in oils and greases to improve high temperature properties
 - ▶ Filler in polymers to increase the thermal conductivity
 - ▶ Filler used in coatings to reduce wettability

- Typical Values**
- ▶ Colour: White
 - ▶ Boron Nitride: > 98.5 %
 - ▶ Total Oxygen: < 0.5 %
 - ▶ Boron Oxide: < 0.2 %
 - ▶ Carbon: < 0.1 %
 - ▶ Specific Surface Area (BET): ~ 7 m²/g
 - ▶ Median Particle Size (D₅₀): 12 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.