



# Distaloy AB

High compressible diffusion-alloyed powder used both in the sintered as well as heat-treated condition, known for its excellent process robustness and proven in a wide range of structural technical parts.

## Typical data

| Apparent density, g/cm <sup>3</sup> | Flow, sec/50g |
|-------------------------------------|---------------|
| 3.05                                | 26            |

## Sieve analysis, %

|          |    |
|----------|----|
| + 212 µm | 0  |
| + 150 µm | 7  |
| - 45 µm  | 25 |

## Compressibility, g/cm<sup>3</sup>

| Compacting pressure | Lubricated die | 0.6% Kenolube® | 0.8% Zn-st |
|---------------------|----------------|----------------|------------|
| 400 MPa             | 6.74           | 6.76           | 6.79       |
| 600 MPa             | 7.17           | 7.16           | 7.16       |
| 800 MPa             | 7.43           | 7.36           | 7.32       |

## Green strength, MPa

| Compacting pressure | Lubricated die | 0.6% Kenolube | 0.8% Zn-st |
|---------------------|----------------|---------------|------------|
| 400 MPa             | 15             | 12            | 9          |
| 600 MPa             | 33             | 19            | 13         |
| 800 MPa             | 44             | 22            | 15         |

## Chemical analysis, %

|            |       |
|------------|-------|
| Carbon     | <0.01 |
| O-tot      | 0.1   |
| Copper     | 1.50  |
| Nickel     | 1.75  |
| Molybdenum | 0.50  |

