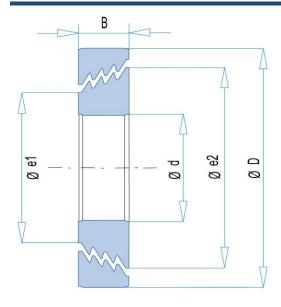


Data Sheet Non-Contact Seals







| Part Number | S20X42X10 |
|---------------|-----------|
| Series | S |
| Drain Grooves | No |

Material

| Inner Ring | Polyoxymethylene (POM) |
|------------|------------------------|
| Outer Ring | Polyoxymethylene (POM) |

Shaft & Housing Tolerances

| Shaft Tolerance | h7 |
|-------------------------|--|
| Housing Tolerance | H7 |
| Shaft & Housing Surface | $R_z \le 16 \mu m$; $R_a \le 3.2 \mu m$ |
| Shaft & Housing Chamfer | 1.0 mm x 15° |

Dimensions

| Bore Diameter | d [mm] | 20 |
|------------------------------|----------------------|----|
| Outer Diameter | D [mm] | 42 |
| Width | B [mm] | 10 |
| Minor Gap Diameter | e1 [mm] | 24 |
| Major Gap Diameter | e2 [mm] | 34 |
| Axial Clearance ¹ | S _{ax} [mm] | 1 |

Misc. Data

| Weight | [kg] | 0.010 |
|------------------------|-------|----------|
| Max Speed ² | [rpm] | 51,300 |
| Temperature Range | [°C] | -40 – 60 |

Notes:

- 1. Axial Clearance (S_{ax}) = The total axial movement of the seal's inner ring in relation to the outer ring in the axial direction.
- 2. The stated speed value is contingent on utilizing specified tolerances, correct installation techniques, and an operating temperature below the specified maximum.