

# Rulon® 142

Polytetrafluoroethylene

Saint Gobain Performance Plastics

## Message:

Aqua colored low deformation material suitable for linear bearings and slides Rulon® 142 is a specially formulated dull blue-green linear bearing material that exhibits low wear, high thermal dissipation, and good dimensional stability characteristics.

Among its many benefits are the virtual elimination of stick-slip, vibration dampening, self-lubrication, uniform friction, long life, ease of application and design diversity.

Rulon 142 has excellent mechanical properties and is the ideal material for machine tool applications. Its low deformation characteristics limit the amount of misalignment that can occur with other bearing materials.

Strong acids and bases should be avoided, as they may attack the fillers.

| General Information        |                            |                   |             |
|----------------------------|----------------------------|-------------------|-------------|
| Features                   | Good Dimensional Stability |                   |             |
|                            | Good Wear Resistance       |                   |             |
|                            | Self Lubricating           |                   |             |
|                            | Vibration Damping          |                   |             |
| Uses                       | Bearings                   |                   |             |
| Appearance                 | Blue-Green                 |                   |             |
| Physical                   | Nominal Value              | Unit              | Test Method |
| Specific Gravity           | 3.10                       | g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                 | Nominal Value              | Unit              | Test Method |
| Tensile Strength           | 21.4                       | MPa               | ASTM D4894  |
| Tensile Elongation (Break) | 200                        | %                 | ASTM D4894  |

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