

# Application Case Story

automotive industry

## APPLICATION:

Automobile Throttle Position Sensor

## MATERIAL:

Rulon® 123C

## PART DEFINITION:

Shaft Seal (actually seals on both the I.D. and O.D.)

## TECHNICAL DATA:

### TYPICAL DIMENSIONS:

.50" I.D. X 1.0" O.D. X .25" high

SPEED: 5 feet/minute

COUNTERFACE: 30% Glass-filled PBT

LUBRICATION: None (dry application)

### WORKING TEMPERATURE:

Ranges from -40°F to 284°F

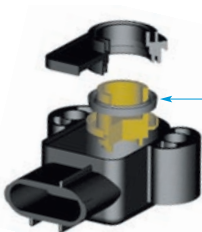
## FEATURES / BENEFITS:

- Low friction
- Consistent hysteresis
- No stick-slips
- Self-energized sealing
- Low wear

Rulon® 123C is a good choice because it is compliant enough to provide a good seal with low frictional properties, yet it is compatible enough with the relatively soft polymer shaft that it does not cause undue wear to the mating shaft material.



RULON® 123C SHAFT SEAL



THROTTLE POSITION SENSOR

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