

# RULON® FLUOROPOLYMER MATERIALS & PROPERTIES

Which precision solution is right for you?



## Rulon® AR Maroon

Higher physical properties

### General

Specific Gravity: 2.22

Working temperature range:  
-240°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 18.6 MPa (Min. 2700 psi)

Elongation

Minimum 235%

Maximum Load

6.9 MPa (1000 psi)

Coefficient of Friction

0.15 – 0.25

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion

## Rulon® LR Maroon

High creep and abrasion resistance

### General

Specific Gravity: 2.25

Working temperature range:  
-240°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 18.6 MPa (Min. 2700 psi)

Elongation

Minimum 235%

Maximum Load

6.9 MPa (1000 psi)

Coefficient of Friction

0.15 – 0.25

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion

## Rulon® J Gold

Lowest coefficient of friction, excellent insulator

### General

Specific Gravity: 1.95

Working temperature range:  
-268°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 18.8 MPa (Min. 2725 psi)

Elongation

Minimum 235%

Maximum Load

5.2 MPa (750 psi)

Coefficient of Friction

0.12 – 0.20

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion

## Rulon® 641 White

Widely used in food processing industry

### General

Specific Gravity: 2.20

Working temperature range:  
-240°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 13.8 MPa (Min. 2000 psi)

Elongation

Minimum 175%

Maximum Load

6.9 MPa (1000 psi)

Coefficient of Friction

0.10 – 0.30

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion

## Rulon® 142 Turquoise

Excellent abrasion resistance

### General

Specific Gravity: 3.11

Working temperature range:  
-240°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 21.4 MPa (Min. 3100 psi)

Elongation

Minimum 200%

Maximum Load

6.9 MPa (1000 psi)

Coefficient of Friction

0.025 with oil

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion

## Rulon® 488 Dull Turquoise

High abrasion resistance

### General

Specific Gravity: 2.25

Working temperature range:  
-240°C to +288°C

Design Flexibility: Excellent

### Mechanical

Tensile Strength

Min. 13.8 MPa (Min. 2000 psi)

Elongation

Minimum 175%

Maximum Load

6.9 MPa (1000 psi)

Coefficient of Friction

0.10 – 0.30

### Available as

- ✓ Basic Shapes
- ✓ Finished Parts

### Manufacturing Process

- ✓ Compression Molding
- ✓ Skiving
- ✓ Extrusion



# RULON® FLUOROPOLYMER MATERIALS & PROPERTIES

Which precision solution is right for you?



Rulon® W2	Rulon® 1337	Rulon® XL	Rulon® 1439	Rulon® 945
Black	Tan	Tan	White	Black
Very good service in wet environments	Food (FDA & EU1935) compliant material	Best option against aluminum surfaces	Ideal for submerged applications	Very good service in wet environments
<b>General</b>	<b>General</b>	<b>General</b>	<b>General</b>	<b>General</b>
Specific Gravity: 2.1	Specific Gravity: 2.11	Specific Gravity: 1.97	Specific Gravity: 2.55	Specific Gravity: 1.90
Working temperature range: -240°C to +288°C	Working temperature range: -240°C to +288°C	Working temperature range: -240°C to +288°C	Working temperature range: -240°C to +288°C	Working temperature range: -240°C to +288°C
Design Flexibility: Excellent	Design Flexibility: Excellent	Design Flexibility: Excellent	Design Flexibility: Excellent	Design Flexibility: Good
<b>Mechanical</b>	<b>Mechanical</b>	<b>Mechanical</b>	<b>Mechanical</b>	<b>Mechanical</b>
Tensile Strength	Tensile Strength	Tensile Strength	Tensile Strength	Tensile Strength
Min. 16.5 MPa (Min. 2400 psi)	Min. 17.2 MPa (Min. 2500 psi)	Min. 11.7 MPa (Min. 1700 psi)	Min. 10.3 MPa (Min. 1500 psi)	Min. 20.7 MPa (Min. 3000 psi)
Elongation	Elongation	Elongation	Elongation	Elongation
Minimum 200%	Minimum 175%	Minimum 160%	Minimum 100%	Minimum 20%
Maximum Load	Maximum Load	Maximum Load	Maximum Load	Maximum Load
6.9 MPa (1000 psi)	6.9 MPa (1000 psi)	8.3 MPa (1200 psi)	6.9 MPa (1000 psi)	6.9 MPa (1000 psi)
Coefficient of Friction	Coefficient of Friction	Coefficient of Friction	Coefficient of Friction	Coefficient of Friction
0.15 – 0.30	0.10 – 0.20	0.10 – 0.25	0.15 – 0.25	0.20 – 0.35
<b>Available as</b>	<b>Available as</b>	<b>Available as</b>	<b>Available as</b>	<b>Available as</b>
✓ Basic Shapes	✓ Basic Shapes	✓ Basic Shapes	✓ Basic Shapes	✓ Basic Shapes
✓ Finished Parts	✓ Finished Parts	✓ Finished Parts	✓ Finished Parts	✓ Finished Parts
<b>Manufacturing Process</b>	<b>Manufacturing Process</b>	<b>Manufacturing Process</b>	<b>Manufacturing Process</b>	<b>Manufacturing Process</b>
✓ Compression Molding	✓ Compression Molding	✓ Compression Molding	✓ Compression Molding	✓ Compression Molding
✓ Skiving	✓ Skiving	✓ Skiving	✓ Skiving	✓ Skiving
✓ Extrusion	✓ Extrusion	✓ Extrusion	✓ Extrusion	✓ Extrusion

