

<b>PURUZ COMPOUND</b>	<b>Hardness (Shore A)</b>	<b>Color</b>	<b>Description</b>
<b>8006</b>	80	Black	Semiconductor; High heat resistance
<b>7516</b>	75	White	Semiconductor; Good plasma resistance
<b>7517</b>	75	Black	Semiconductor; Good chemical resistance



# Puruz<sup>®</sup> 8006

## High Temperature Material For Diffusion Process

- **FEATURES**
  - High temperature
  - Low compression set
  - Chemical resistance
- **APPLICATIONS**
  - Quartz Rod Seals
  - Bell Jar Seals
  - High Temperature Valve Seals
  - KF Fitting Seals
  - Furnace Door Seals
- **RECOMMENDED PROCESSES**
  - LPCVD
  - Diffusion
  - Oxidation
  - RTP
  - Lamp Anneal

Typical Properties	
Color	Black
Hardness, Shore A	80
Tensile Strength, MPa	16.5
Tensile Strength, psi	2392
Elongation, %	185
100 % Modulus, MPa	6
100 % Modulus, psi	870
Compression Set	
% of Original Deflection (70 hrs at 280° C)	43

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

# Puruz<sup>®</sup> 7516

## Universal Compound for Conventional Applications

- FEATURES**

- Good plasma resistance
- Lower cost of ownership

- APPLICATIONS**

- Door Seals
- Slit Valves
- Window Seals
- Isolator Valve Seals
- Chamber Lid Seals
- Gas Inlet Seals
- KF Fitting Seals
- Quartz Tube Joints

- RECOMMENDED PROCESSES**

- CVD
- PECVD
- Metal CVD
- HDPCVD
- SACVD
- ECP
- Plasma Etch
- Plasma Strip

Typical Properties	
Color	White
Hardness, Shore A	75
Tensile Strength, MPa	17.3
Tensile Strength, psi	2508
Elongation, %	158
100 % Modulus, MPa	10.8
100 % Modulus, psi	1566
Compression Set	
% of Original Deflection (70 hrs at 200° C)	24

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MFC Sealing Technology-Your Inspiration to Sealing Solutions



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# Puruz® 7517

## Universal Compound for Conventional Applications

- **FEATURES**
- Broad chemical resistance
- Lower cost of ownership

- **APPLICATIONS**
- Valve Seals
- Fitting and Union Seals
- Gaskets
- Regulator Seals
- Filter Seals

- **RECOMMENDED PROCESSES**
- Wet Etch
- Stripping
- Electro-Copper Plating
- Wet clean

<b>Typical Properties</b>	
Color	Black
Hardness, Shore A	75
Tensile Strength, MPa	20.3
Tensile Strength, psi	2943
Elongation, %	150
100 % Modulus, MPa	12.4
100 % Modulus, psi	1798
<b>Compression Set</b>	
% of Original Deflection (70 hrs at 200° C)	19

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