



**LEHIGH VALLEY  
PLASTICS**  
We Shape The Industry

# KETRON® PEEK

Low Stress Shapes Available in All Sizes

## KETRON® CM PEEK

### PRODUCT FOCUS:

#### COMPRESSION MOLDED

- Moderate to heavy wall
- Very low internal stress
- Low production minimum

### STOCK SHAPE

#### Use it when:

- Part volumes are very low
- Very large parts are required

## KETRON® EX PEEK

### PRODUCT FOCUS:

#### EXTRUDED

- Moderate wall
- Low, symmetrical internal stress
- Long lengths available (up to 3M)

### STOCK SHAPE

#### Use it when:

- Part volumes are low to medium
- Longer machining stock offers a yield advantage
- Symmetrical, consistent stress is preferred

## KETRON® IM PEEK

### PRODUCT FOCUS:

#### INJECTION MOLDED

- Thin wall (<.500)
- Higher internal stress
- Stocked in limited sizes

### STOCK SHAPE & FINISHED COMPONENTS

#### Use it when:

- Part volumes are high
- Resin manufacturer certifications are needed
- Higher stresses are tolerable

Virgin PEEK

30% Glass Filled PEEK

Property	Test Method	KETRON 1000 IM	KETRON 1000 EX	Resin Data	KETRON GF30 IM	KETRON GF30 EX	KETRON GR30 CM	Resin Data
Mechanical								
Ultimate Tensile Strength @ 73°F, psi	ASTM D 638	16,000	16,000	14,100	14,000	14,000	7,400	22,000
Tensile Modulus @ 73°F, psi	ASTM D 638	600,000	630,000	508,000	900,000	1,000,000	850,000	1,500,000
Elongation, at break @ 73°F, %	ASTM D 638	25	40	60	9	2	1	2.7
Flexural Strength @ 73°F, psi	ASTM D 790	23,000	25,000	24,700	20,000	23,000	12,000	37,900
Flexural Modulus of Elasticity @ 73°F, psi	ASTM D 790	600,000	600,000	595,000	920,000	1,000,000	900,000	1,510,000
Compressive Strength @ 73°F, psi	ASTM D 695	20,000	20,000	17,100	21,000	22,000	19,000	24,500
Compressive Modulus @ 73°F, psi	ASTM D 695	425,000	500,000		500,000	550,000	500,000	

**ISO 9001:2008 Certified**

**Management Owned**

**Woman Owned**

[www.lehighvalleyplastics.com](http://www.lehighvalleyplastics.com)

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