

# Arlon® 1000

## Virgin Polyketone



### Thermoplastic Composite

Arlon® 1000, a tough, high-temperature, semi-crystalline thermoplastic, offers a unique combination of mechanical, thermal, chemical, and electrical properties.

Typical applications include valve seats, electrical connectors, back-up rings, and thrust washers.

Typical Properties	
Physical Properties (ASTM Standard)	Typical
Color	Tan
Specific Gravity (D792)	1.30
Hardness, Shore D, Points (D2240)	88
Mechanical (ASTM Standard)	
Compressive Strength, psi (MPa) (D695)	17,110 (118)
Elongation @ Break, % (D638)	35
Flexural Modulus, psi (MPa) (D790)	600,000 (4,140)
Flexural Strength, psi (MPa) (D790)	25,300 (174)
Tensile Modulus, psi (MPa) (D638)	615,000 (4,240)
Tensile Strength @ Break, psi (MPa) (D638)	14,000 (96)
Water Absorption 24 Hours @ 73°F (23°C), %	0.14

### Availability

Arlon® 1000 is available in basic shapes, custom moldings, and fabricated components.

### Contact Us

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10/18-GT EN-DS060-US-08-29-2016