

# Arlon® 1260

## Carbon-Filled Polyketone



### Availability

Arlon® 1260 is available in custom injection-molded shapes, rods to .625 in. (1.6 cm), tubes from .5 in. (1.3 cm) ID to 6 in. (15.2 cm) OD, and discs to 15 in. (38 cm).

### Thermoplastic Composite

Arlon® 1260 is a carbon fiber-reinforced version of Arlon® 1000, featuring the highest modulus and tensile strength of all the Arlon® grades. Designers requiring a low coefficient of thermal expansion often select Arlon® 1260.

Arlon® 1260 also provides enhanced tribological properties, reduced friction values, and improved wear properties over Arlon® 1000. Arlon® 1260 is ideal in lubricated bearings and/or moist environments.

*Note: Arlon® 1260 is subject to some limitations regarding moldings. Arlon® 1260 is not recommended for shapes with a cross-section greater than .625 in. (1.6 cm).*

Typical Properties	
Physical Properties (ASTM Standard)	Typical
Color	Black
Specific Gravity (D792)	1.41
Hardness, Shore D, Points (D2240)	92
Mechanical (ASTM Standard)	
Compressive Strength, psi (MPa) (D695)	38,000 (260)
Elongation @ Break, % (D638)	1.9
Flexural Modulus, ksi (MPa) (D790)	2,750 (19,000)
Flexural Strength, psi (MPa) (D790)	50,300 (350)
Tensile Modulus, ksi (MPa) (D638)	3,150 (21,700)
Tensile Strength @ Break, psi (MPa) (D638)	33,400 (230)
Water Absorption 24 Hours @ 73°F (23°C), %	0.10

*Note: Properties of Arlon® 1260 are anisotropic and are measured in the axial flow direction of molded test specimens.*