

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.

Contact Us

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