

Arlon® 1330

Lubricated Polyketone



Availability

Arlon® 1330 is available in custom injection-molded shapes, rods to 1 in. (2.54 cm) diameter, tubes from .5 in. (1.3 cm) ID to 6 in. (15.2 cm) OD, discs to 17 in. (43.18 cm) diameter and rings to 16 in. (40.64 cm) diameter.

Thermoplastic Composite

Arlon® 1330 is a modified version of Arlon® 1000. This “softer” material demonstrates lower flexural modulus values and reduced friction values. Because of Arlon® 1330’s reduced modulus, it is often the material of choice for valve seats and sealing components.

Typical Properties	
Physical Properties (ASTM Standard)	Typical
Color	Tan
Specific Gravity (D792)	1.38
Hardness, Shore D, Points (D2240)	85
Mechanical (ASTM Standard)	
Compressive Strength, psi (MPa) (D695)	15,500 (107)
Elongation @ Break, % (D638)	20
Flexural Modulus, psi (MPa) (D790)	535,000 (3,690)
Flexural Strength, psi (MPa) (D2240)	21,100 (145)
Tensile Modulus, psi (MPa) (D638)	520,000 (3,590)
Tensile Strength @ Break, psi (MPa) (D638)	12,600 (87)
Water Absorption 24 Hours @ 73°F (23°C), % (D570)	0.10