



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.

AVAILABILITY

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

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Tan
Specific Gravity	D792	1.30
Hardness, Shore D, Points	D2240	88
Mechanical		
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 hrs @ 73°F (23°C), %		0.14



Contact Us

Greene, Tweed
Energy
1930 Rankin Road
Houston, TX, USA

Tel: +1.281.765.4500
Tel: +1.800.927.3301
Fax: +1.281.821.2696

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor a modification or alteration of our standard warranty that shall be applicable to such products.