



ARLON® 1555

Bearing Grade Polyketone

THERMOPLASTIC COMPOSITE

Arlon® 1555 is a lubricated and carbon-filled version of Arlon 1000. Compounding these thermoplastics results in a high HDT, improved tensile and flexural properties at elevated temperatures, and a reduced coefficient of thermal expansion.

The reduced coefficient of friction and improved wear properties demonstrate improved tribological properties. Arlon 1555 is most often used in nonlubricated or marginally-lubricated bearing applications or wear surfaces.



AVAILABILITY

Arlon 1555 is available in basic shapes, custom molding and fabricated components.

TYPICAL PROPERTIES		
Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D792	1.46
Hardness, Shore D, Points	D2240	87
Mechanical		
Compressive Strength, psi (MPa)	D695	24,600 (170)
Elongation @ Break, %	D638	2.2
Flexural Modulus, ksi (MPa)	D790	1,400 (9,650)
Flexural Strength, psi (MPa)	D790	33,000 (228)
Tensile Modulus, ksi (MPa)	D638	1,650 (11,400)
Tensile Strength @ Break, psi (MPa)	D638	21,200 (146)
Water Absorption 24 hrs @ 73°F (23°C), %		0.10

Contact Us

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