

Specification Sheet

Description: High Temperature LBP
Material: L23/000

COMPOUND PROPERTIES	ENGLISH	SI METRIC	
PERMANENCE	RTP 4499 X 83041	RTP 4499 X 83041	ASTM Test
Specific Gravity	1.37	1.37	D-792
Molding Shrinkage			D-955
1/8 in (3.175 mm) section	0.010 in/in	1%	
1/4 in (6.35 mm) section	0.014 in/in	1.40%	
Water Absorption, 24 hrs @ 23 °C	0.30%	0.30%	D-570
MECHANICAL			
Impact Strength, IZOD			D-256
notched 1/8 in (3.175 mm) section	0.8 ft lbs/in	40 J/m	
unnotched 1/8 in (3.175 mm) section	5.0 ft lbs/in	267 J/m	
Tensile Strength	9500 psi	65 MPa	D-638
Tensile Elongation	2-3 %	2-3 %	D-638
Tensile Modulus	0.50 psi x 10 ⁹	3445 MPa	D-638
Flexural Strength	16000 psi	110 MPa	D-790
Flexural Modulus	0.50 psi x 10 ⁹	3445 MPa	D-790
THERMAL			
Deflection Temperature @ 264 psi (1820 kPa)	270 °F	132 °C	D-648
Flammability* @ 1/16 in (1.5875 mm)	HB**	HB**	D-635

Description:

LBP is a high temperature Polyamide based compound with exceptional wear properties. The material is ideally suited for thrust washers, bushings and bearings exposed to high side loading at elevated temperatures. The wear properties of the material are superior to that of high temperature plastics such as PEEK and PI compounds.