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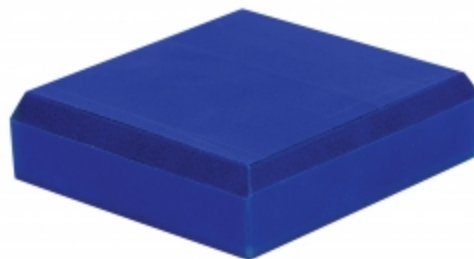
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TIVAR 88

UHMW

This Tivar 88 UHMW is noted for its performance in promoting bulk solid flow of cohesive or non-free flowing products due to its low surface friction.



APPLICATIONS

This UHMW an ideal lining material for bulk material handling.

SPECIFICATIONS

Technical Data

Colour	Blue
Specific Gravity ASTM D792	0.93
Water absorption after immersion in water of 73°F(23°C) ISO 62	24h 0.1%, saturation 0.1%
Dynamic coefficient of friction (-) QTM 55007	0.12
Limiting PV at 100 FPM (safety factor 4) QTM 55007	4000
Melting temperature (DSC, 10°C (50°F) / min) ASTM D3418	275°F (135°C)
Coefficient of linear thermal expansion -40 to 300°F (-40 to 150 °C) ASTM E-831	110 µin./in./°F
Heat Deflection Temperature: method A: 1.8 MPa (264 PSI) ASTM D648	116°F (46°C)
Continuous allowable service temperature in air (20.000 hrs)	180°F (83°C)
Flammability: UL 94 (3 mm (1/8 in.))	HB
Tensile strength ASTM D638	5800 psi
Tensile strain (elongation) at break ASTM D638	300 %
Tensile modulus of elasticity ASTM D638	61 Ksi

Compressive strength ASTM D695	3000 psi
Izod Impact double notched ASTM D4020	34.3 ft.lb./in
Flexural strength ASTM D790	3200 psi
Flexural modulus of elasticity ASTM D790	73 KSI
Shore Hardness D (14) ASTM D2240	69
Surface resistivity ANSI/ESD STM 11.11	10 ¹⁴ Ohm

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.