

DSM 3.0.2

**ACETAL + PTFE (Extruded Rod)
(Blue)****General:**

Turcite® A is a high-quality, internally lubricated (PTFE) material that is ideal for demanding, low maintenance, wear & friction applications against steel and other plastics performing well under vibratory & dynamic load. The base material is a copolymer Acetal which is preferred, for machining routines, due to the absence of centre line porosity in extruded rods.

Benefits:

- Self-Lubricating & Long-Wearing Material
- Similar to Delrin® AF but made from copolymer resin to avoid centre-line porosity.
- Suitable for moderate to heavy loads at moderate speeds.
- Maximum Continuous Service Temperature is 180F.
- High surface hardness including stiffness.
- Dimensionally stable with low water absorption.
- Good electrical insulation and chemical resistance to solvents & hydrocarbons.

Limitations:

- Become brittle with long term exposure to low temperatures and/or sunlight (UV). Poor fire resistance (UL 94 HB).
- Sensitive to acid & chlorine attack
- Resistant to bonding, when using adhesives or solvents.
- Colour is blue & available only as rod.

ASM (DEK) Applications:

- Bearings and gears

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
MATERIAL DETAILS	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:	UL No:
Turcite® A Blue	52 MPa	2.4 GPa	0.35	1490 Kg/m ³	----

Alternatives:

Alternative polymers are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

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DCR		44832							

