

DSM 3.9.6 ACETAL + PTFE (Brown)

General:

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.

When compared to Acetal copolymer this homo-polymer version has higher hardness therefore lower coefficient of friction & better wear resistance; Plus higher impact & tensile strength, creep resistance including a lower thermal expansion rate.

Benefits:

- Self-Lubricating & Long-Wearing Material.
- 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.

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:
Delrin AF	55 MPa	3.0 GPa	0.35	1500 Kg/m³	----

Alternatives:

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

Issue	01	02	03	04	05	06	07	08	09
DCR	41828	44832							

