Injection Moulding

PTFE / Teflon

Key Features

Chemical resistance • Flame retardancy • Flexibility • Heat resistance > 200°C

Product Description

Applications

End-use parts • Aerospace • Automotive • Electronics

Teflon[™] PFA 340 is a general-purpose perfluoroalkoxy (PFA) fluoroplastic resin designed for injection and compression molding of high-performance components. Its high melt flow rate (14g/10 min) and thermal stability up to 390 °C allow for precise molding of complex shapes used in valves, pump parts, and semiconductor fittings. It offers exceptional chemical resistance, dielectric strength, and toughness at continuous use temperatures up to 260 °C. UL 94 V-0 rated, it combines flame resistance with low smoke generation, making it ideal for critical applications in electronics, aerospace, and chemical processing.

Properties*	*Based on material Teflon PFA 340
Tensile modulus	MPa
Tensile strength	25 MPa
Ultimate elongation	300%
Flexural strength	MPa
Flexural modulus	590 MPa
Melting temperature (20°C/min)	305°C
Water absorption (24hr)	<0.03
Volume Resistivity (Ohm)	10 ¹⁸
Softening temperature	°C
Density	2.15 g/cm ³
Hardness	55D
Flame retardancy (UL94)	V-0

Reference

For more detailed source information, please consult the original document linked <u>here</u>. We encourage users to verify the data's relevance and suitability for their specific needs.



