CMT Materials HYTAC® WFT High Temperature, Ultra-Smooth PTFE Impregnated

Category : Polymer , Thermoset , Epoxy

Material Notes:

HYTAC-WFT combines the higher temperature, smooth surface properties of HYTAC-WF with PTFE impregnation for low stick surface capability and excellent material distribution. The result is a syntactic plug assist material with a service temperature of 4250F that may be polished to an ultra-smooth surface.The intended uses of HYTAC-WFT are for difficult sheet sticking problems or in situations where an extremely smooth surface is critical to part quality. As with other syntactic materials, HYTAC-WFT offers the following advantages: Low thermal conductivity and specific heatDimensionally stableExcellent temperature resistanceLightweight Easily machined Variety of Shapes and Sizes: The material is provided in standard sized rods or sheets, but may be custom molded to meet the specific needs. Applications: HYTAC-WFT machines and polishes to an ultra-smooth finish. Recommended for use with CPET, EVOH, LDPE, PC, PMMA, PS and RPET Information Provided by CMT Materials, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_CMT-Materials-HYTAC-WFT-High-Temperature-Ultra-Smooth-PTFE-Impregnated.php

Physical Properties	Metric	English	Comments
Density	0.801 - 0.961 g/cc	0.0289 - 0.0347 lb/in³	

Mechanical Properties	Metric	English	Comments
Flexural Toughness	0.0310 MPa	4.50 psi	ASTM D790
Compressive Strength	121 MPa	17500 psi	
Compressive Modulus	2.24 GPa	325 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	36.7 µm/m-°C	20.4 µin/in-°F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	218 °C	425 °F	

Descriptive Properties	Value	Comments
Color	Light Green	

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