

CMT Materials HYTAC® XTL Tough Thermoplastic Syntactic Foam

Category : Polymer , Thermoplastic

Material Notes:

HYTAC®-XTL was developed to offer an improved surface quality after machining when compared to our popular HYTAC-B1X. This is particularly important when working with sticky or transparent plastics due to the challenge of polishing any thermoplastic syntactic material. Thermoplastic syntactic foams from CMT have become a good choice for plug assist due to their low thermal conductivity and ability to withstand chips and dings associated with any typical thermoforming process. In addition to enhanced surface quality, HYTAC-XTL has these outstanding attributes: The highest toughness ratings for any syntactic foam Good machinability with no dust Excellent where edge definition and detail are required Low thermal conductivity Low coefficient of thermal expansion Excellent material distribution

Variety of Shapes and Sizes: The material is provided in standard sized rods or sheets, but may be custom molded to meet specific needs.

Applications: HYTAC-XTL is the first material to combine the machined surface quality of an epoxy syntactic with the durability and dust free machining of a thermoplastic syntactic foam. Excellent surface characteristics optimize material distribution with most plastics.

Recommended for use with PP, PET, PE, APET, CPET, HIPS, OPS, PETG, PLA, PS, PVC and RPET Information Provided by CMT Materials, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMT-Materials-HYTAC-XTL-Tough-Thermoplastic-Syntactic-Foam.php

Physical Properties	Metric	English	Comments
Density	0.721 g/cc	0.0260 lb/in ³	

Mechanical Properties	Metric	English	Comments
Flexural Toughness	0.159 MPa	23.0 psi	ASTM D790
Compressive Strength	70.43 MPa	10220 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	57.6 µm/m-°C	32.0 µin/in-°F	
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	177 °C	350 °F	

Descriptive Properties	Value	Comments
Color	Mauve	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China