

CMT Materials HYTAC® LP Syntactic Plug Assist System for Heavy-Gauge Thermoforming

Category : Polymer , Thermoset , Epoxy

Material Notes:

HYTAC-LP is a new epoxy syntactic plug assist system aimed at providing heavy gauge thermoformers with a durable, lightweight, low thermal conductivity, castable system that reduces large plug costs while increasing performance. HYTAC-LP will result in improved thickness control and more consistent quality of the final part. HYTAC-LP can also reduce sticking of difficult-to-process polymers. HYTAC-LP is a two-part system consisting of a core of partially-cured epoxy coated large, hollow composite spheres and a skin of thick, non-sloughing syntactic foam. Low Thermal Conductivity and Specific Heat: The syntactic foam structure of HYTAC-LP maintains the low thermal conductivity desired in a plug assist material. Dimensionally Stable up to 176°C/350°F Low Cost: The system is about half the cost of similar solid syntactic foam plugs. Lightweight: This increases the life of capital equipment due to reduced wear and tear on moving parts. Easily Formed or Machined: HYTAC-LP may be cast to near net shape and/or machined using conventional equipment. Applications: HYTAC-LP now makes it possible for heavy gauge thermoforming applications to realize the same material distribution/sheet thickness reductions and energy savings as are expected in thin-gauge thermoforming. The exterior skin of the plug, the performance portion of the plug can be formulated with a variety of HYTAC materials to meet specific, application needs. Information Provided by CMT Materials, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMT-Materials-HYTAC-LP-Syntactic-Plug-Assist-System-for-Heavy-Gauge-Thermoforming.php

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