

# Celazole®

## **Celazole® PBI - world's highest performing thermoplastic**

Celazole PBI (polybenzimidazole) is the world's highest performing thermoplastic. Known for its superior high temperature resistance, unparalleled compressive strength, excellent tensile and flexural strength and low fatigue properties, PBI is now available in a unique blend for injection-molded parts.

**Celazole TF-60C** is ideally suited for parts in today's higher temperature lead-free wave soldering systems. Use Celazole TF-60C for:

- **Temperatures up to 300C**
- **Non-stick, easy clean surface**
- **320C HDT that won't deflect in Pb-free solder baths**
- **Superior strength that resists breakage**
- **Extremely low creep**

## **CASE STUDY: Wave Solder System Transport Conveyor**



Celazole TF-60C has demonstrated superior performance in over three years use as the new material of choice for wave solder transport conveyor fingers.

Proven performance through continuous use in Sn-Cu and Sn-Ag-Cu wave solder baths where Celazole will not deflect, distort or crack.

The non-stick nature of Celazole means you don't need down time to clean the conveyor transport fingers.

Celazole TF-60C has extremely low creep so finger position will not change over time.

Celazole TF-60C is now replacing Titanium, SUS-304, PPS+GF and LCP+GF transport conveyor fingers.