

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 alloy for injection-molded parts.

Celazole TF-60V is ideally suited for today's welding consumables. Celazole TF-60V offers excellent thermal resistance, strength, insulation and dimensional stability.

- 310C HDT
- 32,000 psi Compress Strength
- 10E16 Ohm-cm Vol. Resistivity
- 0.9E-5 in/in-F CTE
- Superior Creep Resistance
- Direct Formed

Introducing: Celazole® TF-60V for Welding Consumables

Celazole TF-60V — especially formulated for applications that demand high heat resistance, insulation and lifelong dimensional stability yet require the cost effectiveness of a direct form process. This injection moldable thermoplastic alloy, made with polybenzimidazole does all this and more. Most importantly, it meets your needs for welding consumables.

Maintain part dimensions with a CTE that is 70% lower than polyimide and 20% lower than glass filled polyetheretherketone.

Side by side DMA tests prove Celazole TF-60V's Creep is half that of polyimide and less than 25% that of polyetheretherketone.

Insulation equal to polyimide and glass filled polyetheretherketone. Arc resistance of 185 seconds is amongst the highest performing thermoplastics.

Heat Deflection Temperature of 310C will meet or exceed glass filled polyetheretherketone.

Your parts last longer with Compressive Strength that's more than 50% higher than polyimide.

TF-60V is recommended for insulators, shield/drag cups and swirl baffles. Contact PBI Performance Products for your trial today.