

ULTEM™ RESIN FOR ANIMAL CAGES

WHAT IS ULTEM RESIN

ULTEM (PEI) resin is an amber colored amorphous thermoplastic that provides exceptional flexibility; flame retardancy; resistance to chemicals, heat and UV light; as well as greatly expanded design freedom.

WHAT MAKES ULTEM RESIN THE RIGHT MATERIAL FOR ANIMAL CAGES

- Long term heat resistance (RTI>170°C)
- Long life cycle
- NSF & FDA compliant
- Excellent chemical and hydrolytic resistance
- More balanced stiffness/strength
- Ability to withstand sterilization methods like steam, Gamma radiation & Eto gas
- Green product -- WEEE & RoHS compliant

ULTEM resin is also widely used in healthcare and food service applications.



ULTEM™ RESIN FOR ANIMAL CAGES

ULTEM MD131 - THE PERFECT CHOICE FOR ANIMAL CAGES

ADVANTAGES:

EXCELLENT HYDROLYTIC PERFORMANCE

- More than 5 years cycle life (>250 cycle) under 134° C autoclave environment
- Better transparency after long-term use in comparison with other high heat animal cage materials

CHEMICAL RESISTANCE

- Better stain resistance than PSU/Nylon/PP/PC
- More exceptional chemical resistance to detergents/disinfectants than other high heat animal cage materials

PROCESSABILITY

- Outstanding processability with less molding defects
- Wider processing window than other high heat animal cage materials

MECHANICAL PROPERTY

- Higher glass transition temperature (Tg) than PSU/PC/PP/Nylon and other high heat animal cage materials
- Relative thermal index (RTI): 25° C higher than PSU



CONTACT

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