

# ULTEM\* 9085

TECHNOLOGY: FDM

APPLICATIONS: Aerospace, Marine, & Ground Vehicles

## DESCRIPTION:

ULTEM\* 9085 is a flame retardant high performance thermoplastic for direct digital manufacturing and rapid prototyping.

ULTEM\* 9085 is ideal for the transportation industry due to its high strength-to-weight ratio and its FST (flame, smoke, and toxicity) rating. This unique material's preexisting certifications make it an excellent choice for the commercial transportation industry - especially aerospace, marine and ground vehicles. ULTEM\* 9085 allows design and manufacturing engineers to produce fully functional parts that are ideal for advanced functional prototypes or end use without the cost or lead time of traditional tooling.

## TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638	71.64 MPA
Tensile Modulus	D638	2,220 MPA
Tensile Elongation	D638	5.9%
Flexural Strength	D790	115.1 MPA
Flexural Modulus	D790	2,507 MPA
Izod Impact (Notched)	D256	106 J/M