TECHNICAL DATASHEET: - PEI-1010 3D PRINTING FILAMENT (MADE USING ULTEM 1010)

TEST ITEM	TEST METHODS	UNITS	SPECIFICATIONS	RESULTS
TENSILE STRENGTH	ISO 527	MPa		55
TENSILE ELONGATION	ISO 527	%		3
TENSILE MODULUS	ISO 527	MPa		2490
FLEXURAL MODULUS	ISO 178	MPa		2450
FLEXURAL STRENGTH	ISO 178	MPa		105
SPECIFIC GRAVITY	ISO 1183	G/CC		1.27
GLASS TRANSITION TEMPERATURE	ISO 11357	C		217C

THE ABOVE DATA IS DERIVED FROM THE RAW MATERIAL SUPPLIER, AND WAS ARRIVED WITH INJECTION MOLDING SPECIMENS, THE VALUES MAY VARY WITH DIFFERENT 3D PRINTERS AND DIFFERENT PROCESSING METHODS

PROCESS PARAMETERS:-

NOZZLE: - 360-380C, BED: - 160-200C, CHAMBER:-120-200C