

ULTEM 1010

ISO10993/USP certified Class VI - Biocompatible
NSF 51 certified - suitable for food contact

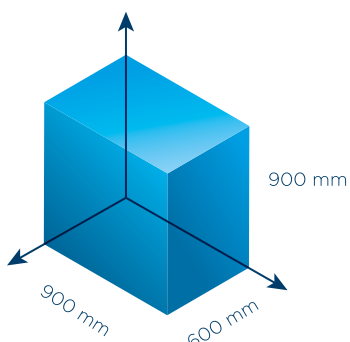
MECHANICALS FEATURES	STANDARD TEST	METRIC	ENGLISH
Traction resistance (Type 1, 0.125", 0.2"/min)	ASTM D638	81 MPa	11,735 psi
Traction modulus (Type 1, 0.125", 0.2"/min)	ASTM D638	2,772 Mpa	402 psi
Traction elongation (Type 1, 0.125", 0.2"/min)	ASTM D638	3,3 %	3,3 %
Bend resistance (Method 1, 0.05"/min)	ASTM D790	144 Mpa	20,835 psi
Bend modulus (Method 1, 0.05"/min)	ASTM D790	2,820 Mpa	409,00 psi
Impact resistance carved IZOD (Method A, 23°C)	ASTM D256	41 J/m	0,8 ft-lb
Impact resistance not carved IZOD (Method A, 23°C)	ASTM D256	327 J/m	6,1 ft-lb f/in

OTHER FEATURES	STANDARD TEST	VALUE
Specific weight	ASTM D792	1,27
Hardness	ASTM D785	109
Fire reaction classification	UL94	V-0
Dielectric constant	ASTM D150-98	2,67
Dissipation factor	ASTM D150-98	,001

THERMAL FEATURES	STANDARD TEST	METRIC	ENGLISH
Under load deflection temperature (HDT)@66 psi,0.125"	ASTM D648	216 °C	421 °F
Under load deflection temperature (HDT)@264 psi,0.125"	ASTM D648	213 °C	415 °F
Glass transition temperature	DSC (SSYS)	215 °C	419 °C

FLAME CHARACTERISTICS	STANDARD TEST	VALUE
Food contact suitability certification	NSF 51	Certified
Biocompatibility certification	ISO 10993/USP ClassVI	Certified

MAX PRINT SIZE:



SLICING				SUPPORT	
0,12	0,17	0,25	0,33	Soluble	Removable
		✓			✓

Manufacturing tolerances : \pm 0,2 mm up to 50 mm
 \pm 0,05 mm each 25 mm following

KEY:
N.A. not applicable.

NOTES:

Available colours: light brown.
The data presented are only for informative purpose, they aren't official.
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SPRING SRL - Via del Carpino Nero, 14
36050 Monteviale - VICENZA - ITALY
t. +39 0444 557570 - f. +39 0444 557572
e. info@springitalia.com

www.springitalia.com



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