

POLYJET: TANGOPLUS, TANGOBLOCK, TANGOGRAY

FLEXIBLE, RUBBER-LIKE, TOUGH, EXCEPTIONAL ELONGATION

DESCRIPTIONS:

TANGOPLUS:

EXPANDS THE TANGO FAMILY OF RUBBER-LIKE MATERIALS OFFERING EXCEPTIONAL ELONGATION AT BREAK, EXCELLENT TOUGHNESS AND DURABILITY AND HIGH RESISTANCE TO TEARING. IT ADDRESSES A BROAD RANGE OF APPLICATIONS REQUIRING RUBBER-LIKE FLEXIBILITY AND DURABILITY, SUCH AS GASKETS AND SEALS, HOSES, ATHLETIC FOOTWEAR, TOYS AND MORE.

TANGOBLOCK AND TANGOGRAY:

TANGOBLOCK AND TANGOGRAY RUBBER LIKE FLEXIBLE 3D MODELING MATERIALS ENABLES MODELS THAT CLOSELY RESEMBLE THAT "FEEL" OF FLEXIBLE TARGET PRODUCTS. TANGOBLOCK AND TANGOGRAY ENABLE A REALISTIC RUBBER/SILICONE FEEL, AND EASILY STRETCH TO FIT ONTO OTHER PARTS. THEY ARE PARTICULARLY IDEAL FOR MANY CONSUMER ELECTRONICS APPLICATIONS, SHOES, TOYS, GENERAL INDUSTRIAL APPLICATIONS, AND RAPID TOOLING.

APPLICATIONS:

- RUBBER-LIKE MATERIAL ENABLES 3-D PARTS TO BE USED IN THE EARLY DESIGN STAGES, SHORTENING THE PRODUCT DESIGN CYCLE
- VERY HIGH ELONGATION AT BREAK, SPECIFICALLY FOR TANGOPLUS, PROVIDES A REALISTIC FEEL OF RUBBER AND SILICONE AND ENABLES MODEL PARTS THAT STRETCH EASILY TO FIT WITH OTHER PARTS.
- CHOICE OF FLEXIBILITY AND HARDNESS LEVELS- TANGOBLOCK (ELONGATION AT BREAK OF 47.7% AND 61 SHORE SCALE A); TANGOGRAY (ELONGATION AT BREAK OF 47% AND 75 SHORE SCALE A); TANGOPLUS (ELONGATION AT BREAK OF 218% AND 27 SHORE SCALE A).

FULLCURE® 900

PROPERTY	ASTM	METRIC UNITS	TANGOPLUS	TANGOGRAY	TANGOBLOCK
TENSILE STRENGTH	D638M	MPA	N/A	4.36	2
ELONGATION AT BREAK	D638M	%	218	47	47.7
COMPRESSIVE SET	D395	%	4.4	1	0.8
HARDNESS (SHORE D)	D2240		27 SCALE D	75 SCALE A	61 SCALE A
TENSILE TEAR RESISTANCE	D624	KG/CM	3.47	9.5	3.8

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SERVICES AVAILABLE

PRODUCT DESIGN
RAPID PROTOTYPING
SLA
FRSLA
POLYJET
SLS
DMLS
FDM
PLASTIC CASTING
CNC MACHINING
INJECTION MOLD TOOLING
RAPID TOOLING
PRODUCTION TOOLING
INJECTION MOLDING
METAL CASTING