



Redeye

PARTS FOR PROTOTYPE AND PRODUCTION • ON DEMAND

TangoPlus PolyJet Resin (FC930)



TangoPlus, FullCure930 – 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.

The new material offers unmatched combination of mechanical properties that sets a new standard in rubber-like performance. At 218%, the elongation at break of TangoPlus is more than double that of any other rapid prototyping material available on the market. It is highly resistant to tearing and has a Ross Flex measurement in excess of 150,000.

Thus, TangoPlus offers outstanding resistance to deterioration, making it ideal for models that are likely to be exposed to long use or rough handling.

Properties	Standard Procedure	Imperial	Metric
Tensile Strength at Break	ASTM D-412	211 psi	1.455 MPa
Tensile Modulus at 20% Strain	ASTM D-413	21 psi	0.146 MPa
Tensile Modulus at 30% Strain	ASTM D-414	27 psi	0.185 MPa
Tensile Modulus at 50% Strain	ASTM D-415	38 psi	0.263 MPa
Elongation at Break	ASTM D-412	218 %	218 %
Compressive Set, 22 Hr, 750C	ASTM D-395	4 %	4.4 %
Shore A Hardness	ASTM D-2240	27 Scale D	27 Scale D
Ross Flex	ASTM D-1052	Above 150,000	Above 150,000
Tensile Tear Resistance	ASTM D-624	20 Lb/in	3.47 Kg/cm
Tg	DSC (-80°C+100°C)	15°F	-9.6°C

For more information about Redeye services and materials, contact your representative at +1 866-882-6934 or visit www.redeyeondemand.com

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