



Redeye

PARTS FOR PROTOTYPE AND PRODUCTION • ON DEMAND

VeroBlack PolyJet Resin (FC870)



PolyJet is a resin like material. VeroBlack works well for prototypes that require smooth surface finish and high feature detail. This photopolymer resin offers improvements as compared to our Clear PolyJet Resin such as improved mechanical properties, enhanced visualization of details and edges, improved humidity resistance and better flexural strength. Parts from this material can be chrome plated or used as a master for silicone molds. Typical industries include toys, foot wear, architecture and any industry where feature detail and surface finish are required.

Properties	Standard Procedure	VeroBlack
Tensile Strength, MPa	D-638	49.8
Elongation at Break, %	D-638	15% - 25%
Modulus of Elasticity, MPa	D-638	2,495.0
Flexural Strength, MPa	D-790	74.6
Flexural Modulus, MPa	D-790	2,137.0
Izod Notched Impact, J/M	D-256	37.5
Compression Strength, MPa	D-695	-
SHORE	Scale D	83.0
Rockwell	Scale M	81.0
Heat Distortion Temperature, C	D-648 @ 0.45Mpa	47.6
	@ 1.82Mpa	43.6
Tg, C	DMA, E''	58.0
Ash Content		<0.40%

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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