

PERFACTORY®

'Y8' Photopolymer

July 2005

Y8 Photopolymer

Flexible, accurate, high-speed, high-impact-strength Hybrid resin for the Perfactory MINI, Perfactory STANDARD, and Vanquish

Description

Perfactory Y8 is a high-speed, low viscosity liquid photopolymer that produces flexible, high-impact-strength, accurate parts using Perfactory machines.

It has a wide processing latitude and excellent tolerance to a wide temperature and humidity range during and after build. This material is especially useful in functional applications where extreme flexibility and impact-strength are critical requirements (e.g., plastic bottles, packaging, automobile panels, electronic enclosures, medical products, and snap-fit parts).

Application

Perfactory Y8 Photopolymer is used in the solid imaging Digital Light Projection process to build complex three-dimensional parts.

Physical Properties (Metric)

ASTM Method	Description	Y8
D638M	Tensile Strength Elongation at Break Young's Modulus	27.3 MPa 27% 282 - 707 MPa
D790M	Flexural Strength Flexural Modulus	25 MPa 680 MPa
D256A	Izod Impact-Notched	54 J/m
D648	Deflection Temperature	84°C
D2240	Hardness (Shore D)	78
DI004	Graves Tear	205 Newton



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