




The  
Design to  
Manufacturing Co.



# *MATERIAL* **ELASTICO** OVERVIEW

For more information or advice:  [theD2Mco.com/contact-us](https://theD2Mco.com/contact-us)

 [info@theD2Mco.com](mailto:info@theD2Mco.com)

# Elastico™

## PolyJet Rubberlike Material

Elastico™ is a superior rubberlike [PolyJet™](#) photopolymer family ideal for advanced design verification and [rapid prototyping](#). Get more durable, tear-resistant prototypes that can stand up to repeated flexing and bending. With a Shore A value of 45 in clear and black, Elastico accurately simulates the look, feel and function of rubber-like products. 3D print rubber surrounds, overmolds, soft-touch coatings, living hinges, jigs and fixtures, wearables, grips and seals with improved surface texture.

Mechanical Properties	Test Method	Value	
		Black/Clear	
Tensile Strength	ASTM D-412	3 - 5 MPa (435 - 725 psi)	
Elongation at Break	ASTM D-412	360 - 400%	
Compressive set	ASTM D-395	0.8 - 1.7 %	
Tensile Tear Resistance	ASTM D-624	5 - 7.5 Kg/cm (28 - 42 lb/in)	
Shore Hardness	ASTM D-2240	45 - 50 Scale A	
Polymerized Density	ASTM D-792	1.1 - 1.3 (g/cm³)	
System Availability	Layer Thickness Capability	Support Structure	Available Color
J55™ Prime	High Speed mode: 18 microns (0.0001 in.)	SUP710™ (WaterJet removable)	<div><div>■</div> Black</div> <div><div>□</div> Clear</div>
J35™ Pro	High Speed mode: 18 microns (0.0001 in.)	SUP710™ (WaterJet removable)	<div><div>■</div> Black</div> <div><div>□</div> Clear</div>

## Find the Perfect Material for Your Application

From strength and flexibility to biocompatibility and color, our experts help you select materials that meet your part performance and production goals - every time.

TALK TO AN EXPERT

Visit <https://theD2Mco.com/contact-us>



100%  
Tailored  
Advice