

# DuraForm® ProX™

Unspecified

3D Systems

## Message:

Strong, tough plastic that stands up to the rigors of long-term real world use replacing traditionally injection molded articles. Engineered for the ProX 500 SLS® 3D printer, with exceptional recyclability and unparalleled mechanical properties.

### Applications

Functional prototyping and low volume production parts for

Automotive

Aerospace

Consumer goods

Housings and enclosures

Snapfits and complex assemblies

Connectors

### Features

Excellent mechanical properties

Outstanding surface smoothness

Exceptional recyclability

Very high part density

### Benefits

ProX 500 SLS system and DuraForm ProX were developed in conjunction to take SLS to a new level of performance and cost effectiveness

Replace articles that are typically CNC machined or injection molded with this tough plastic

Exceptional recycling rate reduces waste and decreases production costs

Expanded utilization of parts

General Information			
Features	Good Surface Finish		
	Good Toughness		
	High Density		
	High Strength		
	Recyclable Material		
Uses	Aerospace Applications		
	Automotive Applications		
	Connectors		
	Consumer Applications		
	Engineering Parts		
	Housings		
	Molds/Dies/Tools		
Processing Method	3D Printing, Laser Sintering/Melting		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.970	g/cm <sup>3</sup>	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240


Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1740 to 1910	MPa	ASTM D638
Tensile Strength	47.0 to 51.0	MPa	ASTM D638
Tensile Elongation (Break)	13 to 15	%	ASTM D638
Flexural Modulus	1600 to 1690	MPa	ASTM D790
Flexural Strength	63.0 to 65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	33 to 42	J/m	ASTM D256
NOTE			
1.	Sintered Part		

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