



# ToughONE™ Material for PolyJet Customers

You chose the PolyJet™ J Series for its clean, office-friendly operation, with no powders, no fumes, and no mess. Its simple, intuitive workflow lets you print parts directly from your CAD file, means parts come off the printer ready to use. With reliable, repeatable results, PolyJet enables faster design iterations and shorter development cycles. Now, it's time to give those parts the mechanical strength they deserve.

## More Capability. Lower Cost.

ToughONE™ delivers enhanced toughness and durability with significantly lower material costs, allowing you to produce more functional parts, run more iterations, and expand your use cases – without increasing your material spend. Moreover, it enables teams to validate form, fit, and function in every step in the design process—reducing rework and accelerating decision-making.

### Key Capabilities



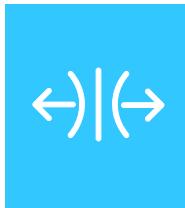
**Impact  
Resistance**



**Strength**



**Durability**



**Flexibility**

### Key Applications



#### Functional Prototypes

- Consumer electronics
- Automotive
- Enclosures
- Power tools
- Toys



#### Engineering and Industrial

- Jigs and fixtures
- Custom housings
- Fittings
- Brackets
- Connectors



## Configurations

Adapt ToughONE to your application needs:

**Pure** - Designed for maximum flexibility and superior impact absorption. Features a single-channel configuration for versatile material options.

**Reinforced** - Built for industrial-grade durability and enhanced stiffness, delivering robust performance in demanding environments

## High-Level Data Sheet

Property	Units	Pure	Reinforced
<b>Tensile Strength (ASTM D638)</b>	psi	5.6	7.1
<b>Elongation at Break (ASTM D638)</b>	%	40	38
<b>Flexural Strength/Modulus (ASTM D790)</b>	MPa	1,772	1,864
<b>Izod Impact, Unnotched (ASTM D4812)</b>	J/m	1,285	961

## Order Details

Product Code	Product Name	Product Code Child Item	Product Name Child Item
<b>OBJ-09218-V</b>	Reinforced ToughONE Bundel	OBJ-09181	PACK OF 1 TFF881, ToughOne™WhiteS, 1.1KG
		OBJ-09534	PACK OF 1 RGD531S, POLYJET 531S REINFORCER, 1.1KG



alphacam GmbH  
Erlenwiesen 16  
D-73614 Schorndorf  
Tel.: +49 7181 9222-0  
info@alphacam.de

alphacam austria GmbH  
Handelskai 92, Gate1 / 2. OG / Top A  
A-1200 Wien  
Tel.: +43 1 3619 600-0  
info@alphacam.at

alphacam swiss GmbH  
Zürcherstrasse 14  
CH-8400 Winterthur  
Tel.: +41 52 26207-50  
info@alphacam.ch



alphacam.de  
.at  
.ch



ISO 9001:2015 Certified

© 2026 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo, and PolyJet are registered trademarks of Stratasys Inc. ToughONE is a trademark of Stratasys, Inc. All other trademarks are the property of their respective owners, and Stratasys assumes no responsibility with regard to the selection, performance, or use of these non-Stratasys products. Product specifications subject to change without notice. OP\_PJ\_ToughONE\_A4\_0126b