

RESIN - 3DS - Figure 4 FLEX-BLK 20

Brand: **3D Systems**

Product Code: **3DPR-FLEX-BLK20-25**



* Application example



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Fatigue Resistant Black Plastic, with the Look and Feel of Production Polypropylene

Figure 4® FLEX-BLK 20 is a flexible, high impact-resistant material for extremely durable black parts with the look and feel of production polypropylene.

Great for functional prototypes, enclosures and assemblies, as well as short-run production parts, this fatigue resistant material provides outstanding flexibility and accuracy, enabling many applications.

Isotropic properties:

Figure 4 technology prints parts that are isotropic in mechanical properties meaning the parts printed along either the XYZ axis will give similar results. Parts do not need to be oriented to get the highest mechanical properties, improving the degree of freedom for part orientation for mechanical properties.

Applications:

- * Functional assemblies and prototypes
- * Automotive styling parts
- * Consumer goods and electronic components
- * Containers and enclosures
- * Product design
- * Master patterns for RTV/silicone molding
- * Concept and marketing models

Benefits:

- * Reliable and robust functional prototypes
- * Excellent mechanical properties and accuracy

- * Beautiful black parts with look and feel of molded black polypropylene
- * Improved environmental stability of mechanical and performance properties over time

Features:

- * High elongation at break and notched impact strength
- * Lower tensile modulus
- * Engineered for long term environmental stability
- * Easy to clean

Attachments

[Figure 4© FLEX-BLK 20 Comprehensive Data sheet](#)