

# Terratek<sup>®</sup> Flex FX2217

**Product Description**

Terratek<sup>®</sup> FX2217 is a unique elastomeric bioplastic with a diverse range of potential applications.

**Applications**

This material is suitable for injection molding, profile extrusion, and sheet extrusion.

**Processing Recommendations**

Drying: Resin must be dried before processing.

Drying Conditions:                   Out of a sealed box: 90° to 100° F for 2 to 3 hours  
   Open box: 100° to 120° F for 4 to 5 hours

Suggested Temperature Settings:

Extruder Zone	Rear	Center	Front	Nozzle
Temperature °F	300° - 329°	300° - 329°	300° - 329°	300° - 329°

Processing at temperatures above 350° F and in combination with high shear conditions such as high injection speed may result in thermal degradation of this resin.

Specific recommendation for processing FX2217 can be made based on customer equipment and processes. For further suggestions, please contact Green Dot Bioplastics.

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Specific Gravity	ASTM D792	1.247 g/cm <sup>3</sup>
Izod Impact	ASTM D256	2.03 ft lb/in
Tensile Strength	ASTM D638	780 psi
Tensile Modulus	ASTM D638	7,609 psi
% Elongation	ASTM D790	200%
Flex Strength	ASTM D790	427 psi
Flex Modulus	ASTM D790	6,363 psi
Melt Index (190 C and 2160 g)	ASTM D1238	59.0 g/10 min
Shrinkage		.003 in/in

**Packaging and Storing**

Terratek<sup>®</sup> FX2217 resin is typically packaged in a sealed plastic-lined fiber drum of 250 lbs. The product should be stored in a cool, dry, and sanitary area to achieve maximum stability.

The information and recommendations in this sheet are based on our experience and analysis using standard procedures, and are believed to be accurate and reliable. However, they serve merely as typical guides, and are presented in good faith for the benefit of our customers. No guarantee, expressed or implied, is made regarding accuracy of the analysis, patent infringement, liabilities, or risks involved from the application of our products.	Issued:	02/01/18
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