

Terratek® Flex

FX2200

Product Description

Terratek® FX2200 is a unique elastomeric bioplastic with a diverse range of potential applications. This material is suitable for injection molding, profile extrusion, and sheet extrusion.

Preliminary Data- Pending Third-Party Evaluation

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Specific Gravity	ASTM D792	1.23
Melt Index (190°C/ 2.2 kg)	ISO 1133	57 g/10 min
Tensile Strength (at Break)	ASTM D638	700 psi
Elongation		>400%
Hardness (Shore A)	ASTM 2240	69A

Sustainability Guide	
Biobased content ASTM 6866	-
Biobased content by weight	-
Recycled content	-
Energy use	-
Compostable	-

General Processing Recommendations

Green Dot's Terratek® FX2200 resin needs to be dried before processing. If resin is in a sealed box, dry resin at 90°F to 100°F for 2 to 3 hours. If resin is in an open box, dry resin at 100°F to 120°F for 4 to 5 hours.

For best molding results, larger gates and runners are recommended. The injection pressure required to fill the mold is much higher than typical injection molding grade plastics. Typical injection molding temperatures are listed below, these are only a guide and may need to be changed based on the particular application:

Rear	280°F to 330°F
Middle	280°F to 330°F
Front	280°F to 330°F
Nozzle	280°F to 330°F

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 FX2200 can be made based on customer equipment and processes. For further suggestions, please contact Green Dot.

Packaging and Storing

Terratek® FX2200 resin is typically packaged in a sealed plastic-lined 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:	04/01/21
	Revised:	
	Approved:	R&D/QC