



STYLE SPECIFICATION SHEET

STYLE NAME:	MONO 40
YARN #1 TYPE:	Polytex USA MFPE350RB Monofilament
COLOR NAME:	Field Green
TOTAL DECITEX:	Approx 12000 (2000x6)
TOTAL DENIER:	Approx 10800 (1800x6)
DESCRIPTION:	Proprietary PE formulation for superior wear resistance
THICKNESS/FORM:	Approx 350 micron, diamond form
TOTAL YARN FACE WT:	40 Oz. / SqYd
PRIMARY BACKING #1:	13 pic polybac
PRIMARY BACKING #2:	Non-woven polyester
PRIMARY BACKING #3:	13 pic polybac
PRIMARY BACKING WT:	8 Oz. / SqYd
SECONDARY COATING:	26 Oz. Urethane / SqYd
TOTAL PRODUCT WT:	74 Oz. / SqYd

TUFTING INFORMATION

PILE HEIGHT:	2"
STITCH RATE:	AS REQUIRED
TUFTING GAUGE:	1/2"
ROLL WIDTHS:	15' 2"
DRAINAGE PERFORATIONS:	STANDARD

These specifications are standard and may vary slightly due to manufacturing tolerances or consumer specifications.

Technical Yarn Bulletin

Product Name:

MFPE 350RB



Polymer Composition:

Bimodular PE Compound Optimized towards the Filament Design

Shape:

Diamond

Thickness (app.):

350 Microns

(ASTM-D-3218-07)

Width (app.):

1.1 mm

(ASTM-D-3218-07)

Number of filaments:

6 (per bundle)

Decitex (g / 10,000 m) (app.):

2000 dtex total: 12000 (6 x 2000) dtex (ASTM-D-1907-07)

Denier (g / 9,000 m) (app.):

1800 den total: 10800 (6 x 1800) dtex (ASTM-D-1907-07)

Color:

Field green	Olive
Field green CoolPlus®	Olive CoolPlus®
Custom Colors	Lime

Colour fastness:

blue scale 7-8

Fastness to weathering:

grey scale 5

(DIN/ISO 75220)

Environmental Properties:

meets all criteria of standard (Norm)* (DIN 18035-7)

UV-Stabilization:

meets all criteria of standard (Norm)* (DIN 18035-7)



MATERIAL SAFETY DATA SHEET

Revised: 11-Nov-11

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1. Substance/Preparation and Company Information:

MFPE 350RB

(350 MIC, 1800X6 BOW)

Application: Artificial Turf Material for Sport and Leisure Surfaces

Manufacturer: Polytex USA
237 Boling Industrial Way
Calhoun, GA 30701

Emergency Info: Polytex USA Main Office 706-313-3976

2. Composition/Details of Components

Final Product:

Chemical characterization: Polyethylene polymer formulation based fiber material.

This product is not a hazardous chemical according to the OSHA Hazard Communication Standard 29 CFR 1910.1200

CAS No:	Designation	%	Symbol R Phrases
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Not Applicable

EINECS No:	Index No.:
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Not Applicable

3. Possible Dangers

***Description of Danger:** Not Applicable

***Special Risks for Humans & the environment:** Not Applicable

4. First Aid

***General Information:** Not relevant
***After Inhalation:** Not relevant
***After Skin Contact:** Not relevant
***After Eye Contact:** Not relevant
***After Ingestion:** Not relevant
***Instructions for the Doctor:** Not Applicable

5. Fire-fighting

*Suitable Fire-fighting agents:	Extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon Dioxide fire extinguishers. Foam
*Unsuitable fire fighting agents:	None known
*Special Danger from the substance or preparation itself, its combustion products or resultant gases:	None Known
*Special safety equipment for fire-fighting:	No special action required

6. Precautions after accidental release:

*Personal precautions:	Not necessary
*Environmental protection:	Not Applicable
*Cleaning / Mopping up:	Not relevant

7. Handling and storage

7A: Instructions for safe handling:	No special action required
*Fire/explosion protection:	No special action required
7B: Instructions for Storage:	Keep containers sealed; store in a dry place protected from frost.

8. Exposure limits and personal protection equipment

*Additional information on designing technical equipment:	No special action required
*Components with workplace-related limit values that require monitoring:	None

Personal Safety Equipment

*Breathing Protection:	Not necessary
*Hand Protection:	Not necessary
*Eye Protection:	Not necessary
*Body Protection:	Not necessary
Hygiene measures:	Standard hygiene measures

9. Physical and chemical characteristics:

*Form:	Final Product
*Color:	Various Colors
*Odor:	Odorless
*PH Value:	Not applicable
*Flash point:	Not applicable
*Ignition temperature:	varies/depends on infill material used
*Risk of explosion:	Not applicable
*Density (at 68 degrees F)	Not applicable
*Solubility in/Miscibility with water:	Insoluble
*Viscosity:	Not applicable

10. Stability and reactivity

*Conditions to be avoided:	None known if used correctly
*Substances to be avoided:	None known if used correctly
*Hazardous Decomposition Products	None known if used correctly

11. Toxicology Information

If handled correctly and normal work hygiene practices are observed, no harmful effects caused by this product are known or expected.

12. Ecology Information

Estimated on the basis of the raw materials contained in the product and/or substances with a comparable structure, the following ecological data is anticipated: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000) of base polymers. In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.

13. Disposal Information

Waste incineration with the approval of the local authority.

14. Transport Instructions

*Land transport ADR/RID and GGVS/GGVE:	Not a hazardous substance
*Ocean-going ship transport IDMF/GGV Sea:	Not a hazardous substance
*Air Transport ICAO-TI and IATA-DGR:	Not a hazardous substance

15. Regulations

*Classification and identification under the Hazardous Substance Directive:	Not a hazardous substance under the directive
*Hazard symbols:	Not applicable
*R phrases:	Not applicable
*S phrases:	Not applicable
*VbF:	Not a flammable liquid
*Potential water polluting class:	Not applicable

16. Other information

The information in this safety data sheet is based on our current knowledge and is designed to describe the product in terms of the appropriate safety precautions. It does not constitute any assurance of the properties of the product described herein. This safety data sheet replaces all previous versions.