

## BIOGUARD ZERO R302



Biotex Malaysia 

MC 1272801

NATURALS

POLYMERS

A new water-repellent textile treatment with recycled content that offers excellent protection against water and water-based stains while maintaining the fabric's breathability. It is made of 70% waste palm fat (stearic), not in competition with food or feed, thus reducing its overall environmental footprint. The recycled stearyl polymers from waste demonstrate excellent water and soil repellent behavior (tested as per AATCC TM22) and can withstand over 20 wash cycles. This fluorine, melamine, and PFOA-free chemistry is compatible with other textile auxiliaries. It is sold in 120 kg (264.5 lb) drums or 1000 kg (2204.6 lb) totes, and can be customized for different base fabrics like polyester, cotton, or nylon. The technology is Bluesign and GOTS approved and ZDHC Level3, Go BLUE, and REACH compliant. Applications are for apparel, workwear, technical textiles, medical textiles, mask, gloves, and military fabrics.

### IMPORTANT:

Information provided here is supplied by the manufacturer/supplier. While MCX works with each manufacturer/supplier to understand their technology and assess the validity/claims made by the manufacturer in good faith, the material interview process conducted by MCX is not intended to replace further verification, validation, or 3rd party testing to ensure the material meets your technical and/or chemical requirements for use in your product. Information contained herein is for informational, educational, and inspirational purposes.



When contacting the manufacturer, please be sure to reference the material's name, and not the MC Number.

### Manufacturer

**BIOTEX MALAYSIA****MALAYSIA**

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Additive Manufacturing	No
Blow Molding	No
Casting	No
Cold Pressing/Deep Drawing	No
Die Cutting	No
Extrusion	No
Injection Molding	No
Lamination	Yes
Metal Working Tools	No
Printing	Yes
Rotomolding	No
Stitching	Yes
Thermoforming/Compression Molding	No
Welding	No
Wood Working Tools	No

**Properties****PERFORMANCE PROPERTIES**

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Acoustics	Sound Absorbing
Chemical Resistance	Medium

**APPLICATIONS**

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Accessories  
Apparel  
Footwear

**CUSTOMIZATION**

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Composition

**PHYSICAL PROPERTIES**

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Stiffness	Flexible
Structure	Closed

Colorfastness	High	Surface/Texture	Matte
Fire resistance	N/A	Transparency	Transparent
Impact Resistance	Good	Surface Hardness	Soft
Outdoor use	Yes		
Reflectivity	Light Absorbing		
Scratch resistance	N/A		
Stain Resistance	High		
Tear Resistance	Medium		
Thermal Conductivity	Low		
Usage Temperature	Low		
UV Resistance	High		
Water Resistance	High		
Wear Resistance	Medium		

### Sustainability

#### SUSTAINABILITY

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Durable

Low/Non Toxic

Recycled Content (Pre- or Post-Consumer)

### Downloads

#### Available Downloads

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No downloads are available for this material. Please contact the manufacturer for more information.