

BCRD-E Endurex™

Polymeric Housing Construction

Construction Advantages

Impact Resistant – Housing will not dent or crack even in cold weather to -40°F

Weather Resistant – Resistant to storm damage caused by wind, hail and airborne objects

Corrosion Resistant – Impervious to salt, airborne chemicals and normal weathering

UV Resistant – UV inhibitors provide resistance to ultraviolet light for long years of service

Resists Shipping Damage – Impossible to dent and alter housing shape caused by improper handling

Safe Installation – Provides safe areas to grab for installation and maintenance without sharp metal edges

Ease of Maintenance – Removable top cover provides for belt inspection and maintenance, while the one-piece construction provides easy removal and access to the wheel

Lifetime Warranty – Limited lifetime warranty on all Endurex™ housing components

UL and Environmental Testing

UL tested and approved the Endurex™ material in accordance with the following UL standards:

UL 94 (Tests for Flammability of Plastic Materials for Parts in Devices and Appliances)

UL 746A (Polymeric Materials - Short Term Property Evaluations)

UL 746C (Polymeric Materials - Use in Electrical Equipment Evaluations)



Endurex™ material underwent rigid testing per these UL standards, surpassing the requirements of the following testing:

1. Ultraviolet Light Exposure Testing – Samples were exposed to ultraviolet light for an equivalent of 500,000 hours (90+ years) to provide the assurance that the material will last a lifetime.
2. Flammability Testing – Flame tests performed per UL94, the most widely accepted flammability performance standards for plastic materials, gauged the material's ability to propagate or extinguish a flame once ignited.
3. Impact Resistance Testing – Tensile and izod impact tests measured the material's resistance to real life conditions such as falling objects, blows, collisions, drops, etc.
4. Functional Support Testing – Flexural and tensile strength tests to prove the material's structural stability and integrity.

