



**BOSTIK**

**BORN<sup>2</sup>  
BOND™**

# Engineering Adhesives for Small Appliances



Adhesive solutions by  
**ARKEMA**

Engineering Adhesives **2022**

### MANUFACTURING REQUIREMENTS

**Bostik Born<sup>2</sup>Bond™ Engineering Adhesives** enable manufacturers of small appliances to design and produce reliable, high-performance products that are easy to repair, maintain and recycle.

- Automation, in-line integration & high throughput
- Serviceability & repairability
- High precision, aesthetics & multi-substrates
- Sustainability & safety

### RECHARGEABLE SHAVER ASSEMBLY

#### 1 PLASTICS PARTS ASSEMBLY

**SOLUTIONS:** Born<sup>2</sup>Bond™ UV Instant Adhesives, Instant Adhesives

**BENEFITS:** Low blooming; fast curing

#### 2 MAGNET BONDING

**SOLUTIONS:** Born<sup>2</sup>Bond™ XMA Structural Adhesives

**BENEFITS:** Structural bonding; durability

#### 3 LOGO BONDING

**SOLUTIONS:** Born<sup>2</sup>Bond™ UV Instant Adhesives, Instant Adhesives

**BENEFITS:** Low blooming; fast curing

#### 4 ENCLOSURE ASSEMBLY

**SOLUTIONS:** Born<sup>2</sup>Bond™ UV-CIPG Gasketing (serviceable), High Performance HMPUR Adhesives (non-serviceable), Instant Adhesives

**BENEFITS:** Reliable bonding with HMPUR; serviceable gasketing with UV-CIPG; multi-substrates

#### 5 BATTERY CELL ASSEMBLY

**SOLUTIONS:** Born<sup>2</sup>Bond™ UV-Instant Adhesives, Instant Adhesives, Thermelt® Low Pressure Molding Hotmelt

**BENEFITS:** High-precision assembly; molding options for media resistance



### FOOD PROCESSOR ASSEMBLY

#### 1 THREADLOCKING of SCREWS

**SOLUTIONS:** Born2Bond™ Anaerobic Adhesives

**BENEFITS:** Vibration, corrosion & chemical resistance; non-CLP WL range\*\*

#### 2 PLUG ASSEMBLY

**SOLUTIONS:** Thermelt® Low Pressure Molding Hotmelt

**BENEFITS:** Durable encapsulation and protection; molding automation

#### 3 ELECTRONICS ENCAPSULATION

**SOLUTIONS:** Born2Bond™ UV-Instant Adhesives, UV-Epoxy Adhesives, UV-Acrylate Adhesives

**BENEFITS:** Durable encapsulation and protection; fast curing

#### 4 PCB ASSEMBLY

**SOLUTIONS:** Born2Bond™ UV-Instant Adhesives; Thermelt® Low Pressure Molding Hotmelt

**BENEFITS:** Durability; encapsulation and protection; fast curing; molding options

#### 5 DISPLAY ASSEMBLY

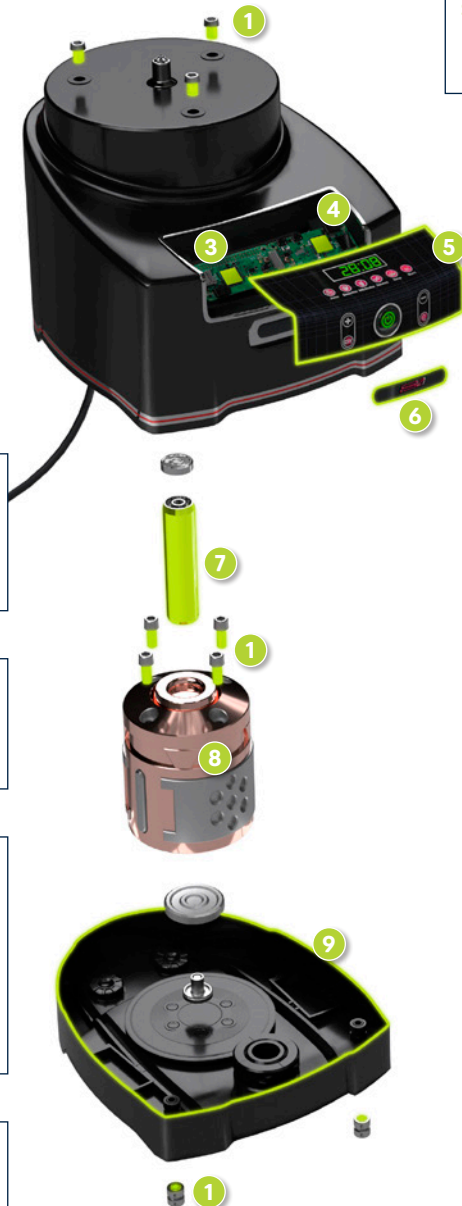
**SOLUTIONS:** Born2Bond™ UV-CIPG Gasketing (serviceable), High Performance HMPUR Adhesives (non-serviceable)

**BENEFITS:** Reliable bonding with HMPUR; serviceable gasketing with UV-CIPG; multi-substrates

#### 6 LOGO BONDING

**SOLUTIONS:** Born2Bond™ UV Instant Adhesives, Instant Adhesives

**BENEFITS:** Low blooming; fast curing



#### 7 RETAINING of HUB and SHAFT

**SOLUTIONS:** Born2Bond™ Anaerobic Adhesives

**BENEFITS:** Vibration, corrosion & chemical resistance; non-CLP WL range\*\*

#### 8 MAGNET BONDING

**SOLUTIONS:** Born2Bond™ XMA Structural Adhesives

**BENEFITS:** Structural bonding; durability

#### 9 ENCLOSURE ASSEMBLY

**SOLUTIONS:** Born2Bond™ UV-CIPG Gasketing (serviceable), High Performance HMPUR Adhesives (non-serviceable), Instant Adhesives

**BENEFITS:** Reliable bonding with HMPUR; serviceable gasketing with UV-CIPG; multi-substrates

#### 10 PLASTIC HANDLE BONDING

**SOLUTIONS:** Born2Bond™ UV Instant Adhesives, Instant Adhesives

**BENEFITS:** Low blooming; fast curing



All **Born<sup>2</sup>Bond™ Engineering Adhesives** are suitable for small production runs using manual application, as well as semi- or fully-automated production lines.

#### BORN<sup>2</sup>BOND™ INSTANT and UV-INSTANT ADHESIVES



- Low odor solutions for increased user comfort
- Low bloom solutions for uncompromised fine finishes
- Fast bonding for enhanced reliability and durability
- Dual-cure adhesive with 'cure-on-demand' properties for increased throughput and cure of excess material - no yellowing when immediately cured (Light Lock grade - patented\*)
- Automatic, semi-automatic and manual high-precision dispensing options

#### BORN<sup>2</sup>BOND™ ANAEROBIC ADHESIVES



- Vibration, corrosion and chemical resistance for increased reliability
- Reduced stock and inventory of fasteners
- 100% connection – no loosening of screws
- High power transmission and resistance to dynamic loads
- Sustainable and more cost-effective solution to traditional mechanic fasteners
- Automatic, semi-automatic and manual high-precision dispensing options
- WL Range (non-CLP option) also available\*\*

#### BORN<sup>2</sup>BOND™ HIGH PERFORMANCE HMPUR ADHESIVES



- Multi-substrate adhesion
- High temperature, humidity and chemical resistance
- Good balance between strength and elasticity
- Designed for manual, semi-automatic and automated dispensing for high-precision applications
- Extensive range and tailor-made solutions available

#### BORN<sup>2</sup>BOND™ UV-CIPG GASKETING



- Serviceability of assembled and sealed parts and enclosures
- Waterproofing and dustproofing for increased durability
- Resistant to temperature fluctuations and chemicals
- Extremely flexible and durable
- Designed for semi-automatic and automated dispensing for high-precision applications

### HIGH PERFORMANCE POLYMERS

## ARKEMA

Arkema's portfolio extends beyond adhesives to High Performance Polymers – offering pioneering and sustainable solutions to customers from a broad range of markets, including Appliances. Advanced bio-based solutions including fully recyclable **Rilsan® Polyamide 11**, **Rilsan® Clear polyamides**, and **Pebax® Rnew® elastomers** are chosen by manufacturers for their lightness, dimensional stability, food contact approval, friction & shock resistance, toughness, and chemical & stain resistance – making them ideal for home appliances solutions.



For more information and to order free **Born<sup>2</sup>Bond™** samples, please visit: [Born2Bond.Bostik.com](http://Born2Bond.Bostik.com)



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\*Patented in multiple countries. \*\*Available in selected regions only. Not classified as a hazardous substance/mixture under the Classification, Labelling and Packaging of substances and mixtures (CLP) Regulation (EC) 1272/2008 in EU. Always use glasses and gloves when applying adhesives.