

## Durx<sup>®</sup> 770

### 55% Cellulose / 45% Polyester Nonwoven Cleanroom Wiper

Durx<sup>®</sup> 770 is a cellulose / polyester nonwoven wiper recommended for ISO Class 5 and above environments composed of a hydroentangled nonwoven blend of 55% cellulose and 45% polyester. This combination of properties provides Durx<sup>®</sup> 770 with the level of absorbency, abrasion resistance and chemical compatibility required for controlled environments and applications. Durx<sup>®</sup> 770 is further enhanced with an ultra-low particle and fiber treatment to significantly reduce particles and fibers compared to Durx<sup>®</sup> 670.



#### Key Attributes

- 55% cellulose / 45% polyester hydroentangled nonwoven blend
- Enhanced with an ultra low particle and fiber treatment

#### Benefits

- Excellent combination of the synthetic polyester strength and cleanliness with the absorbent characteristics of cellulose
- Reduced particle and fiber generation with ultra low particle and fiber treatment
- Smooth, absorbent and durable
- Low extractable levels
- Chemically compatible with common cleaning and disinfecting solutions
- Autoclavable
- Economical

#### Applications

- Designed for use in ISO Class 5 and higher cleanroom environments
- Facilities manufacturing integrated circuit, printed circuit board and electronic components
- General equipment wrap and wipe downs
- General purpose wiping applications
- Cleaning of lab equipment
- General wiping in component prep, compounding and wash areas
- Applying and removing cleaning and disinfecting solutions

#### Other ISO Class 5 and above nonwoven wipers

- BlueSorb<sup>®</sup> 750
- Durx<sup>®</sup> 670
- MicroFirst<sup>®</sup>
- MicroFirst LP<sup>®</sup>
- ProjX<sup>®</sup> 700
- Pro-Wipe<sup>®</sup> 750
- Pro-Wipe<sup>®</sup> 880
- ValuClean<sup>®</sup> Plus

#### Pre-Wetted Option

The same wiper material can be provided in pre-wetted formats for reduced VOC emissions, increased convenience, increased productivity, improved solvent control and cleaning protocol repeatability and reduced costs.

#### Sterile Validated Option

For aseptic processing areas, the same wiper material can be provided in a gamma irradiated validated sterile to a 10<sup>-6</sup> sterility assurance level. Dry and pre-wetted versions available.

[www.berkshire.com](http://www.berkshire.com)

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|         |                      |                            |
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## Technical Data:

| Attribute                   |                  | Units                             | Value        | Test Method                                  |
|-----------------------------|------------------|-----------------------------------|--------------|--|
| <b>Basis Weight</b>         |                  | g/m <sup>2</sup>                  | <b>68.8</b>  | TAPPI T-410                                  |
| <b>Caliper</b>              |                  | µm                                | <b>232</b>   | TAPPI T-411                                  |
| <b>Fibers</b>               | ≥100µm           | fibers/cm <sup>2</sup>            | <b>12</b>    | IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.2 modified |
| <b>Particles</b>            | ≥0.5µm           | x10 <sup>3</sup> /cm <sup>2</sup> | <b>1.5</b>   | IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.1 modified |
| <b>Sorbency</b>             | Capacity         | mL/m <sup>2</sup>                 | <b>257</b>   | IEST-RP-CC004.4 Sec 9.1 / Sec 9.2 modified   |
|                             | Efficiency       | mL/g                              | <b>3.9</b>   |  |
|                             | Rate             | seconds                           | <b>2</b>     |  |
| <b>Non-Volatile Residue</b> | DI Water         | g/m <sup>2</sup>                  | <b>0.11</b>  | IEST-RP-CC004.4 Sec 8.1.2                    |
|                             | IPA              | g/m <sup>2</sup>                  | <b>0.050</b> |  |
| <b>Ions</b>                 | Na <sup>+</sup>  | ppm                               | <b>100</b>   | IEST-RP-CC004.4 Sec 8.2.2                    |
|                             | K <sup>+</sup>   | ppm                               | <b>5.5</b>   |  |
|                             | Ca <sup>++</sup> | ppm                               | <b>45</b>    |  |
|                             | Mg <sup>++</sup> | ppm                               | <b>10</b>    |  |
|                             | Cl <sup>-</sup>  | ppm                               | <b>46</b>    |  |

### Notes:

- Technical data represented in this table are typical values at the time of publication. These should not be used as product specifications.
- Due to differences in test methods applied and equipment utilized by different wiper manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions
- Third party testing can be performed upon request

## Order Information:

| Product               | Number        | Size             | Shts/pk | Pks/cs | Style   |
|-----------------------|---------------|------------------|---------|--------|---------|
| Durx <sup>®</sup> 770 | DR770.0404.40 | 4x4" (10x10cm)   | 300     | 40     | Stacked |
| Durx <sup>®</sup> 770 | DR770.0707.12 | 7x7" (18x18cm)   | 300     | 12     | Stacked |
| Durx <sup>®</sup> 770 | DR770.0707.45 | 7x7" (18x18cm)   | 300     | 45     | Stacked |
| Durx <sup>®</sup> 770 | DR770.0909.20 | 9x9" (23x23cm)   | 300     | 20     | Stacked |
| Durx <sup>®</sup> 770 | DR770.1212.20 | 12x12" (30x30cm) | 150     | 20     | Stacked |
| Durx <sup>®</sup> 770 | DR770.1818.10 | 18x18" (46x46cm) | 150     | 10     | Stacked |

## Other Berkshire Products



Wipers



Glove Liners



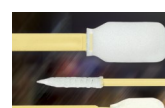
Mop Systems



Documentation Systems



Face Masks



Swabs