Berkshire

ENGINEERED CLEAN

Product Information
ISO Class 5 – 8
Cleanroom Class 100 – 100,000
EU Grade B/C/D

Durx® 770
55% Cellulose / 45% Polyester Nonwoven Cleanroom Wiper

Durx® 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® 770 with the level of absorbency, abrasion resistance and chemical compatibility required for controlled environments and applications . Durx® 770 is further

enhanced with an ultra-low particle and fiber treatment to significantly reduce particles and fibers compared to Durx® 670.

Other ISO Class 5 and above nonwoven wipers
- BlueSorb® 750
- Durx® 670
- MicroFirst®
- MicroFirst LP®
- ProjX® 700
- Pro-Wipe® 750
- Pro-Wipe® 880
- ValuClean® Plus

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

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^{-6} sterility assurance level. Dry and pre-wetted versions available.

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Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m^2	65.8	TAPPI T-410
Caliper		μm	245	TAPPI T-411
Fibers	≥100μm	fibers/cm^2	17	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5μm	x10^3/cm^2	5.0	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m^2	258	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	3.9	
	Rate	seconds	3	
Non-Volatile Residue	DI Water	g/m^2	0.10	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m^2	0.049	
Ions	Na$^+$	ppm	83	IEST-RP.CC004.3, Sec 7.2.2
	K$^+$	ppm	9.3	
	Ca^{++}	ppm	31	
	Mg^{++}	ppm	12	
	Cl$^-$	ppm	52	

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® 770	DR770.0404.10	4x4" (10x10cm)	1200	10	Stacked
Durx® 770	DR770.0707.12	7x7" (18x18cm)	300	12	Stacked
Durx® 770	DR770.0909.20	9x9" (23x23cm)	300	20	Stacked
Durx® 770	DR770.1212.20	12x12" (30x30cm)	150	20	Stacked
Durx® 770	DR770.1818.10	18x18" (45x45cm)	150	10	Stacked

Other Berkshire Products

Wipers

Glove Liners

Mop Systems

Documentation Systems

Face Masks

Swabs