



ADVANCED POLYMER, INC.

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AdvaPel® 776-CP

AdvaPel® 776-CP is a weakly cationic fluoropolymer emulsion that has been designed to impart excellent water and oil repellency to most types of fabrics specifically on cotton polyester blends. AdvaPel® 776-CP also showed excellent dynamic water repellency. AdvaPel® 776-CP is non-C8 based fluoroalkyl compound and, as such, is considered to be non-PFOA contributing. The performance of AdvaPel® 776-CP is durable through extended home laundering.

CHARACTERISTICS

- Normally applied via padding.
- Heat drying and curing is required to develop properties.
- Versatile: Effective on most types of synthetic fabrics.
- Excellent water repellency subjected to dynamic conditions.
- Performance is durable through extended home laundering.
- Non-C-8 based fluoroalkyl compound.
- Non-flammable.

APPLICATION

AdvaPel® 776-CP is designed for commercial/industrial application only. It cannot be used in retail products or any other form that is intended for consumer use.

PERFORMANCE DATA

AdvaPel® 776-CP was diluted with water to 1% solid concentrations and padded onto different types of fabric. To get an accurate indication of performance, both natural and synthetic fabrics were used. After application the fabric swatches were analyzed for oil and water repellency.

Method of Application: Pad bath (pad pressure = 40 psi)

TYPICAL PROPERTIES

Appearance:	Milky white to pale yellow emulsion
Solid Content:	20%
pH:	~4.5
Carrier Solvent:	Water
% VOC:	0*
Specific Gravity (@ 25°C):	1.05

*According to Consumer Products US EPA LVP Exemption

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Wet Pick-up, Dry & Cure Temperatures, and Fabric Weight:			
FABRIC	WET PICK-UP	DRY & CURE	FABRIC WEIGHT
100% Cotton Twill	70%	325°F x 4 minutes	258 grams/m ²
100% Polyester	73%	325°F x 4 minutes	126 grams/m ²
100% Nylon 66	55%	325°F x 4 minutes	190 grams/m ²
Acrylic Twill	97%	325°F x 4 minutes	262 grams/m ²
50/50 Cotton Polyester	80%	325°F x 4 minutes	104 grams/m ²

RESULTS

Test Method	100% Cotton Twill	100% Polyester	50/50 Cotton Polyester	Acrylic Twill	Nylon
Water Repellency (AATCC TM-193)	11	11	11	11	11
Oil Repellency (AATCC TM-118)	5	6	6	6	6
Water Spray (AATCC TM-22)	100	100	100	100	100
Water Spray (AATCC TM-42)	70	100	100	100	100

PACKAGING

AdvaPel® 776-CP is available in 8 oz. samples and 441-lb. drums.

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AdvaPel® 777

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