

ALTOPEL M335 HP6

MILITARY GRADE C6-DWR

ALTOPEL M335 HP6 is a family of C6-based aqueous fluorochemical finishes designed to impart high oil & water repellency to natural and synthetic fibers including polyester, nylon, Spandex, cotton, rayon, and blends. **ALTOPEL 335 HP6** repellents are formulated to limit the level of fluorocarbon content needed to achieve the desired performance profile.

Military Grade C6 DWR: Application of High Performance DWR on Nylon/Lycra

DWR TESTING	OIL REPELLENCY / SPRAY RATING RESULTS
Black shade	Initial Oil-Repellency of 6+ / Spray rating of 100
After 40W/D	Oil-Repellency of 6 + / Spray rating of 100
After 50W/D	Oil-Repellency of 6+ / Spray rating of 100

(**Tests Conducted:** AATCC Spray Resistance Test Method- 22 & AATCC Oil-Repellency Test Method 118-Hydrocarbon Oil-Resistance)

Physical Properties:

- Appearance: White liquid
- pH: 4.50 - 5.5
- Ionic Nature: cationic
- Chemical Structure: fluoropolymer/reactive hydrophobic polymer dispersions
- Solid: 30.5 +- 1.5

Advantages:

- Produces excellent water and oil repellence with durability to washing
- Soft hand
- Non-flammable
- Reduced processing time

Application procedures on next page

Information contained in this technical data sheet is up-to-date and correct to the best of our knowledge at the date of issue and are subject to change. As Organic Dyes and Pigments LLC cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. Organic Dyes and Pigments LLC will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given. Released: RY 04/25RY

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Procedure:

A concentration of 3.0 - 6.0 % owb is normally adequate for most applications. 6.0-12.0% owb can be used for more demanding repellency applications.

Altopel M335 HP6 finishes can generally be used with most coating or finishing chemicals; however, laboratory testing for compatibility is suggested.

The treated fabric should be dried between 300 to 350 degrees F for 1 to 1 ½ min.

Curing finished goods at between 350 to 370 degrees F for 1-2 min improves durability. For temperature-sensitive fabrics, curing at 350 degrees F for 1 min is generally adequate.

Protect from freezing. Stir well before use.

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