



MEISEI CHEMICAL WORKS, LTD

Speciality Chemical and Auxiliaries

MEISHIELD P-350K

Fluorine-free (PFC-free) emulsified water repellency agent

CHARACTERISTICS

1. P-350K endows excellent water repellent property to synthetic and cotton fabrics.
2. P-350K obtains superior washing durability using crosslinking agent.

GENERAL PROPERTIES

Appearance : White Emulsion
Ionic activity : Weakly cationic
pH (as product) : Acidic
Solubility : Easily dissolve in water

EXAMPLE

Water repellent property

	Initial	HL-10 (N)	HL-10 (T)	HL-20 (N)	HL-20 (T)
Polyester taffeta	5	3	5	3	5
Polyester tropical	5	3	5	3	5
Nylon high-density	5	3	5	3	5
Nylon taslan	4+	2+	4	2+	4
Cotton broad	5	3-	4	2	3+

• Recipe

MEISHIELD P-350K 50g/L
MEIKANATE TP-10 (Crosslinking agent) 10g/L

• Treating conditions

Pad; 1dip 1 nip
Drying: 110degC for 90 seconds
Curing: 170degC for 60seconds

• Evaluation method

Water repellency : JIS-L-1092-2009.7.2 Spray
HL (home laundry) : JIS-L-1092-2009.7.2 C method
Detergent: "ATTACK" (KAO Japan Co., Ltd) 0.65g/L
HL-10(N) After 10 times HL, air-dry
HL-10(T) After 10 times HL, tumble-dry (70degC for 40 min)

FOR YOUR PRODUCTION

Above suggestions described concerning uses and data in this bulletin are based on our laboratory tests, therefore users should make their own tests to determine the suitability of these products for their own particular purpose.

However, because of various factors affecting results, MEISEI CHEMICAL WORKS, LTD. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than that the material conforms to its applicable current Standard Specifications. Statements herein, therefore, should not be construed as representations or warranties.

Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

MEISEI CHEMICAL WORKS, LTD.

Head Office: 1. Nakazawacho, Nishikyogoku, Ukyoku, KYOTO, JAPAN
& Tel: 075-312-8105 Fax: 075-314-1150
Factory: <http://www.meisei-chem.co.jp/>
Branches: TOKYO, NAGOYA, UKUI, TSU factory