

# TECHNICAL DATA SHEET

# API-BI795

### Product Overview

API's API-BI795 is a blocked urethane pre-polymer that can be defined as an isocyanate reaction product, which is stable at room temperature but dissociates to regenerate isocyanate functionality under the influence of heat. API-BI795 is highly branched with blocked isocyanate groups on the ends.

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## **Applications**

- Excellent wash durability for fluoropolymer treated fabric; retaining water and oil repellency performance
- Long term pot-life in aqueous systems
- Excellent compatibility due to its non-ionic nature
- Excellent adhesion to substrates
- Curing temperatures 120°C 180°C

# **Physical Properties**

APPEARANCE:	Pale Yellow Solution
SOLID CONTENT:	20%
PH:	6
SPECIFIC GRAVITY (@25C):	1.1

# Packaging

Available in 8 oz. samples and 397-lb drums.

### **Application Methods**

The following is an illustration of API-BI795 durability evaluation in conjunction with APG-5206, a waterborne C8 based fluoropolymer emulsion. In a concentrated formula the active content of APG-5206 was kept constant at 2% actives, while the BI-795 was varied from 0 to 4% active content. Bath formula was diluted to 1% active based on the flouropolymer active ingredient.

Application Conditions: Substrate: Cotton/Poly (50/50) Apply via pad @ 40 psi Dry & Cure @ 325°F x 4 min Test & Wash Conditions: AATCC Test Method 193 Water Temp @ 60°C Water Level @ 12 Gal Wash Type: Regular Dry Type: Medium @ 40 min

ADVANCED POLYMER, INC

400 Paterson Plank Road Carlstadt, NJ 07072

### ADVPOLYMER.COM

#### PHONE: 201.933.0600

### FAX: 201.933.8442

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