

# MonoSol® D-7031 XR

Polyvinyl Alcohol  
MonoSol, LLC

## Message:

Mono-Sol® D-7031 XR is a proprietary film system (patent pending) comprising a layer of M-7031 polyvinyl alcohol film with a dispersible barrier layer. This unique film combines the properties of our standard cold-water-soluble M-7031 film with even better chemical resistance while at the same time preventing undesirable plasticizer migration. Mono-Sol® D7031 XR film conforms to U.S. Environmental Protection Agency 40 CFR 180.1001 (d).

| General Information             |               |      |             |
|---------------------------------|---------------|------|-------------|
| Forms                           | Films         |      |             |
| Films                           | Nominal Value | Unit | Test Method |
| Film Thickness - Tested         | 38            | µm   |             |
| Tensile Strength - MD (Break)   | 41.4          | MPa  | ASTM D882   |
| Tensile Elongation - MD (Break) | 410           | %    | ASTM D882   |
| Dart Drop Impact                | 730           | g    | ASTM D1709  |
| Elmendorf Tear Strength - MD    | 1800          | g    | ASTM D1922  |
| Additional Information          |               |      |             |

Modulus at 100% Elongation, ASTM D882: 2300 psiEquilibrium Moisture Content, Test Method Unspecified, 23°C, 50% R.H.: 5.8%Solubility, MSTM 205, 1.5 mil, 50°F Distilled Water: Disintegration, 12 sec; Dissolution, 30 secSolubility, MSTM 205, 1.5 mil, 75°F Distilled Water: Disintegration, 7 sec; Dissolution, 20 sec

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