

MonoSol® M2631A

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol M2631A is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol's proprietary solution cast technology. MonoSol M2631A is a cold water-soluble PVOH film engineered with greater stiffness than conventional water soluble films. This unique film is ideal for a variety of diverse applications including immersion graphics, water-soluble labels, and water-soluble packaging. Standard thicknesses are 40 micron (1.6 mil) and 30 micron (1.2 mil).

| General Information | | | |
|--|----------------------------|--------------------|----------------------|
| Features | Biodegradable | | |
| | Good Stiffness | | |
| | Water Soluble | | |
| Uses | Film | | |
| | Labels | | |
| | Packaging | | |
| Forms | Film | | |
| Physical | Nominal Value | Unit | |
| Moisture Content (23°C) ¹ | 6.6 | wt% | |
| Solubility ² | | | |
| Disintegration : 10°C, 40.6 µm | 38.0 | sec | |
| Disintegration : 24°C, 40.0 µm | 17.0 | sec | |
| Dissolution : 10°C, 40.6 µm | 70.0 | sec | |
| Dissolution : 24°C, 40.6 µm | 34.0 | sec | |
| Yield (40.0 µm) | 19.5 | m ² /kg | ASTM D4321 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 41 | µm | |
| Film Thickness - Recommended / Available | 40 µm, and 30 µm | | |
| Secant Modulus - 100%, MD | 40.0 | MPa | ASTM D882, ISO 527-3 |
| Tensile Strength - MD | | | |
| Break | 77.9 | MPa | ASTM D882 |
| -- | 77.9 | MPa | ISO 527-3 |
| Tensile Elongation - MD (Break) | 340 | % | ASTM D882, ISO 527-3 |
| Elmendorf Tear Strength - MD | | | |
| -- | 100 | g | ASTM D1922 |
| -- | 0.010 | N | ISO 6383-2 |
| NOTE | | | |
| 1. | 50%RH | | |
| 2. | Distilled Water (MSTM 205) | | |

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