

MonoSol® AF L330

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol AF L300 is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol's proprietary solution cast technology. MonoSol AF L330 is a typical grade of PVOH cold water-soluble packaging film and is the film choice for powders with no special requirements or contraindications. This tough film has good solubility, machinability, toughness and cold crack resistance. It is available in bags and can be converted on most vertical form fill and rotary forming packaging machines. Available thickness range is 20 micron (0.8 mil) to 80 micron (3.1 mil).

| General Information | | | |
|--|---------------------------|--------------------|----------------------|
| Features | Biodegradable | | |
| | Good Crack Resistance | | |
| | Good Toughness | | |
| | Low Temperature Resistant | | |
| | Machinable | | |
| | Water Soluble | | |
| Uses | Bags | | |
| | Film | | |
| | Packaging | | |
| Forms | Film | | |
| Physical | Nominal Value | Unit | |
| Moisture Content (23°C) ¹ | 6.7 | wt% | |
| Solubility ² | | | |
| Disintegration : 10°C, 60.0 µm | 31.0 | sec | |
| Dissolution : 10°C, 60.0 µm | 95.0 | sec | |
| Yield (60.0 µm) | 13.4 | m ² /kg | ASTM D4321 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 60 | µm | |
| Film Thickness - Recommended / Available | 20 µm to 80 µm | | |
| Secant Modulus | | | ASTM D882, ISO 527-3 |
| 10%, MD : 60 µm | 77.9 | MPa | |
| 100%, MD : 60 µm | 26.9 | MPa | |
| 10%, TD : 60 µm | 66.2 | MPa | |
| 100%, TD : 60 µm | 14.5 | MPa | |
| Tensile Strength | | | |
| MD : Break, 60 µm | 43.4 | MPa | ASTM D882 |
| TD : Break, 60 µm | 32.4 | MPa | ASTM D882 |
| MD : 60 µm | 43.4 | MPa | ISO 527-3 |
| TD : 60 µm | 32.4 | MPa | ISO 527-3 |

| | | | |
|-------------------------|----------------------------|---|----------------------|
| Tensile Elongation | | | ASTM D882, ISO 527-3 |
| MD : Break, 60 μm | 220 | % | |
| TD : Break, 60 μm | 380 | % | |
| Elmendorf Tear Strength | | | |
| MD : 60 μm | 1300 | g | ASTM D1922 |
| TD : 60 μm | 1300 | g | ASTM D1922 |
| MD : 60 μm | 0.13 | N | ISO 6383-2 |
| TD : 60 μm | 0.13 | N | ISO 6383-2 |
| NOTE | | | |
| 1. | 50%RH | | |
| 2. | Distilled Water (MSTM 205) | | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

