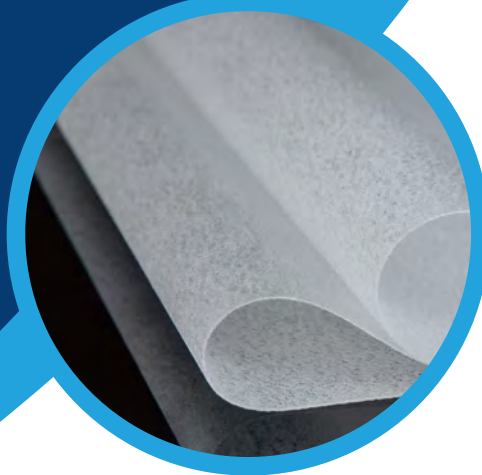


B606 & B606P

THERMOPLASTIC ADHESIVE FILM TPO

B606 series is a thermoplastic adhesive film for the packaging of perovskite and film photovoltaic modules developed by Betterial. Compared with conventional EVA adhesive film, it has the advantages of low packaging temperature and low water vapor transmission rate, and maintains excellent weather resistance and good adhesion under low temperature packaging conditions. It can be widely used for the packaging of perovskite batteries and thin film battery modules.



Category

| Item | Normal Spec | Customized Spec |
|-----------|-------------|-----------------|
| Thickness | 0.45~0.6mm | 0.2~0.8mm |
| Width | 970~1297mm | 300~1300mm |
| Length | 150m | 150~450m |

Technical Properties

| Items | Unit | Test Standard | B606 | B606P | |
|-----------------------------|-------------------|-----------------------|---------------------|---------------------|------|
| Model/Using Instruction | / | / | High Transmission | UV Cut Off | |
| Tensile Strength | MPa | ISO 527-3 | >18 | >18 | |
| Adhesion to Back-sheet | N/cm | GB/T 29848-2018 | ≥40 | ≥40 | |
| Adhesion to Glass | N/cm | GB/T 29848-2018 | ≥80 | ≥80 | |
| Shrinkage (120°C x 3min) | MD | GB/T 29848-2018 | ≤3.0 | ≤3.0 | |
| | TD | GB/T 29848-2018 | ≤2.0 | ≤2.0 | |
| Transmittance | 280~380nm | GB/T 29848-2018 | ≥80 | ≤20 | |
| | 380~1100nm | GB/T 29848-2018 | ≥85 | ≥85 | |
| Volume Resistivity | Ω·cm | GB/T 29848-2018 | ≥1*10 ¹⁵ | ≥1*10 ¹⁵ | |
| DC Breakdown Strength | KV/mm | IEC 60243 | >200 | >200 | |
| Aging Test DH2000hr | Yellowness Index | ΔYI | GB/T 29848-2018 | ≤5.0 | ≤5.0 |
| | Adhesion to Glass | N/cm | GB/T 29848-2018 | ≥40 | ≥40 |
| UV Aging Test | 120KW·h | ΔYI | GB/T 29848-2018 | ≤5.0 | ≤5.0 |
| WVTR | 23°Cx85% RH 500um | g/m ² ·day | ISO 15106-3 | ≤5.0 | ≤5.0 |

Laminating Process

| Laminated Parameters | Temperature (°C) | Vacuum Time (S) | Lamination Time (S) |
|--------------------------|------------------|-----------------|---------------------|
| Single Chamber Laminator | 110~120 | 360±60 | 600±120 |

The technical parameters in Betterial product manual are for reference only. Technical specifications are subject to change without any prior notice.

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