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POLYES-FILM (Black film-B250/B253)

TECHNICAL SPECIFICATION



**D250/D253 Black Film**

| Properties                             |    | Units  | 50µm | 75µm | 100µm | 125µm | 188µm | 250µm | Testing methods   |
|--|----|--|------|------|-------|-------|-------|-------|-------------------|
| Tensile strength                       | MD | MPa  | 190  | 185  | 180   | 180   | 175   | 175   | GB/T 13542.2-2009 |
|  | TD | MPa  | 190  | 185  | 180   | 180   | 175   | 175   |                   |
| Heat shrinkage(150C,30min)             | MD | %  | 1.3  | 1.3  | 1.3   | 1.3   | 1.4   | 1.4   | GB/T 13542.2-2009 |
|  | TD | %  | 0.2  | 0.2  | 0.2   | 0.2   | 0.3   | 0.3   |                   |
| Elongation at break                    | MD | %  | 130  | 135  | 135   | 135   | 145   | 145   | GB/T 13542.2-2009 |
|  | TD | %  | 120  | 130  | 135   | 130   | 135   | 135   |                   |
| Electrical strength at power frequency |    | V/µm   | 200  | 190  | 145   | 95    | 70    | 65    | GB/T 13542.2-2009 |
| Light transmittance                    |    | %  | 0.8  | 0.8  | 0.8   | 0.8   | 0.8   | 0.8   | Standard          |
| Surface glossiness                     |    | %  | 40   | 40   | 40    | 40    | 35    | 35    | ASTM D2457        |
| Thermal rating                         |    | C  | 120  |      |       |       |       |       | —                 |
| Storage life                           |    | <= 40C, keep away from fire, heat and avoid direct sunshine. Storage life, 90 days from the EXW date for corona-treated film, 18 months from the EXW date for untreated film.  |      |      |       |       |       |       |                   |
| Standard applied                       |    | Q/DSJ-131-2011   |      |      |       |       |       |       |                   |
| Features and applications              |    | <p>D250 is bright black, D253 is matte black.</p> <p>Good color evenness and lasting long time.</p> <p>Excellent electrical strength.</p> <p>UL certified (file # E199019).</p> <p>Certified by SGS and meet RoHS and REACH requirements.</p> <p>Intended for applications that have light-shading requirements, such as electronics, adhesive tapes, electrical insulation and musical instruments.</p> |      |      |       |       |       |       |                   |
| Handling tips                          |    | Avoid cracking during slitting or using, avoid scratches, dirt/oil and other contaminations on surface.  |      |      |       |       |       |       |                   |

Note: 1 Numbers listed above are typical values, not guaranteed values. Due to the users 'conditions and environment is beyond our control, a testing is recommended before using.

2 Surface glossiness is only for D253.

3 The above information is subject to revision without advance notice.

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. POLYESLINE S.L.U. suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.