

New Arc Ratings of Westex Flame Resistant Fabrics

Tested per ASTM F1959/F1959M-04 *Standard Test Method for Determining the Arc Thermal Performance Value of Materials for Clothing*

4/21/2006

Single-Layer Fabrics

| Product / Style | Fabric Description | ATPV (cal/cm ²) |
|--|---|--------------------------------|
| INDURA[®] Ultra Soft[®] | | |
| Style 331 | 5.5oz (186g/m2) Lightweight Chambray Denim Shirting | 6.0 |
| Style 341 | 5.5oz (186 g/m2) Lightweight Shirting Twill | 6.1 |
| Style 301 | 7oz (237g/m2) Shirting Twill | 8.7 |
| Style 391 | 12oz (406 g/m2) Denim | 19.5 |
| Style 451 | 9oz (305g/m2) Rugged Twill | 12.4 |
| Style 801 | 13oz (440g/m2) Heavyweight Sateen | 21.0 |
| Style 961 | 11oz (372g/m2) DUCK | 12.7 |

| INDURA [®] Ultra Soft [®] Knits | Fabric Description | ATPV (cal/cm ²) |
|---|---------------------------------|--------------------------------|
| Style 130 | 6.25oz (212g/m2) Interlock Knit | 10.9 |
| Style 180 | 11oz (372g/m2) Fleece | 21.8 (Ebt) |

| INDURA [®] Ultra Soft [®] with Epic [®] | Fabric Description | ATPV (cal/cm ²) |
|--|----------------------|--------------------------------|
| Style 302 | 8oz (271g/m2) Twill | 11.6 |
| Style 452 | 10oz (339g/m2) Twill | 17.1 |
| Style 962 | 12oz (407g/m2) Duck | 17.4 |

| INDURA [®] | Fabric Description | ATPV (cal/cm ²) |
|---------------------|---|--------------------------------|
| Style 30 | 7oz (237g/m2) Shirting Twill | 7.7 |
| Style 45 | 9oz (305g/m2) Rugged Twill | 10.8 |
| Style 85 | 9oz (305g/m2) Sateen | 11.5 |
| Style 31 | 7oz (237g/m2) Shirting Twill - Blue & White Stripe | 6.3 |
| Style 32 | 7oz (237g/m2) Shirting Twill - Charcoal / Royal Stripe | 7.7 |
| Style 38 | 7oz (237g/m2) Shirting Twill - Green / Navy / White Plaid | 7.4 |
| Style 39 | 7oz (237g/m2) Shirting Twill - Navy / Red / White Plaid | 6.5 |
| Style 306 | 12oz (406g/m2) Denim | 14.4 |
| Style 308 | 14oz (475g/m2) Denim | 18.3 |
| Style 315 | 12oz (406g/m2) Whipcord | 12.9 |

| Vinex [®] | Fabric Description | ATPV (cal/cm ²) |
|--------------------|---|--------------------------------|
| Style 1201 | 6oz (203g/m2) Tropical Weight Shirting | 5.6 |
| Style 1200 | 8.5oz (288g/m2) Jacket/ Pant/ Shirt Twill | 8.1 |
| Style 1204 | 11.5oz (390g/m2) Heavyweight Jacket/ Pant Twill | 10.7 |

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Multi-Layered Systems

| Product / Styles | ATPV (cal/cm ²) |
|--|--------------------------------|
| INDURA[®] Ultra Soft[®] Systems | |
| 301- 7oz (237g/m2) over 301- 7oz (237g/m2) | 27.2 |
| 301- 7oz (237g/m2) over 301- 7oz (237g/m2) over 331- 5.5oz (186g/m2) | 41.6 |
| 301- 7oz (237g/m2) over 341- 5.5oz (186g/m2) | 26.6 |
| 301- 7oz (237g/m2) over 451- 9oz (305g/m2) | 31.6 |
| 301- 7oz (237g/m2) over 709- 12oz (406g/m2) Moda-Quilt | 37.2 |
| 301- 7oz (237g/m2) over 710- 10.25oz (347g/m2) Moda-Quilt | 35.8 |
| 391- 12oz (406g/m2) Denim over 30- 7oz (237g/m2) Indura Sanded | 55.2 |
| 451- 9oz (305g/m2) over 30- 7oz (237g/m2) Indura Sanded | 34.2 |
| 451- 9oz (305g/m2) over 301- 7oz (237g/m2) | 36.2 |
| 451- 9oz (305g/m2) over 331- 5.5oz (186g/m2) | 31.7 |
| 451- 9oz (305g/m2) over 341- 5.5oz (186g/m2) | 33.8 |
| 451- 9oz (305g/m2) over 451- 9oz (305g/m2) | 38.7 |
| 451- 9oz (305g/m2) over 709- 12oz (406g/m2) Moda-Quilt | 41.8 |
| 451- 9oz (305g/m2) over 710- 10.25oz (347g/m2) Moda-Quilt | 40.6 |
| 801- 13oz (440g/m2) Heavyweight Sateen over 301- 7oz (237g/m2) | 51.5 |
| 801- 13oz (440g/m2) Heavyweight Sateen over 341- 5.5oz (186g/m2) | 51.1 |
| 801- 13oz (440g/m2) Heavyweight Sateen over 451- 9oz (305g/m2) | 51.3 |
| 961- 11oz (372g/m2) DUCK over 30- 7oz (237g/m2) Indura Sanded over 301- 7oz (237g/m2) | 44.4 |
| 961- 11oz (372g/m2) DUCK over 301- 7oz (237g/m2) | 38.7 |
| 961- 11oz (372g/m2) DUCK over 709- 12oz (406g/m2) Moda-Quilt | 49.5 |
| 961- 11oz (372g/m2) DUCK over 709- 12oz (406g/m2) Moda-Quilt over 301 (7oz) | 65.8 |
| 961- 11oz (372g/m2) DUCK over 709- 12oz (406g/m2) Moda-Quilt over 451 (9oz) Twill | 68.5 |
| 961- 11oz (372g/m2) DUCK over 710- 10.25oz (347g/m2) Moda-Quilt | 47.0 |
| 961- 11oz (372g/m2) DUCK over 714- 10.25oz (347g/m2) Moda-Quilt | 51.8 |
| 961- 11oz (372g/m2) DUCK over 741- 10.25oz (347g/m2) Moda-Quilt | 46.5 |