

## ULTRA CLEAR PRO

|                       | Performance Test             | Test Condition | Typical Values |
|-----------------------|------------------------------|----------------|----------------|
| Physical              | TPU                          |                | 6.0 mil        |
|                       | Top Coating                  |                | 0.28 mil       |
|                       | Adhesive                     |                | 1.2 mil        |
|                       | Liner                        |                | 3.0 mil        |
| Mechanical            | Ultimate Strength            | ASTM D882      | > 15 MPa       |
|                       | Elongation at Break          | ASTM D882      | > 300%         |
| Peel Adhesion         | Initial Peel                 | 20min, RT      | > 400 N/m      |
|                       | Normal State                 | 24h, RT        | > 400 N/m      |
|                       | After Water Immersion        | 400h, 40 °C    | > 400 N/m      |
|                       | After Accelerated Weathering | 2000h, QUV     | > 400 N/m      |
| Aging Test            | Heat Aging                   | 16 days, 80 °C | NDE            |
|                       | Water Immersion              | 400h, 40°C     | NDE            |
|                       | Accelerated Weathering       | 2000h, QUV     | NDE            |
|                       | Boiling Water                | 5 min          | NDE            |
| Gloss                 | Gloss                        | 60 °C          | > 85           |
| Stone Chip Resistance | Gravelometer                 | SAE J400       | Pass           |
| Solvent Resistance    | Water & Soap spotting        | 24h            | NDE            |
|                       | Acid Spotting                | 24h            | NDE            |
|                       | Isopropyl Alcohol            | 24h            | NDE            |
|                       | Hexane/Toluene               | 24h            | NDE            |
|                       | Motor Oil                    | 24h            | NDE            |

NDE: No Detrimental Effect