

**TALENT™****SCUFFMASTER™**

# Unsupported

## Non-Adhesive Unsupported Film

## 0.7 mil / 68 ga

Talent™ Unsupported ScuffMaster™ scuff-protection utilizes technology that changes the molecular structure of the film surface to greatly increase the hardness and durability. Built on a very stable BOPP film base, ScuffMaster™ has no “coating” that can scratch off or burnish. Boasting an extreme hardness level with an ultrasmooth Surface.

This film is corona treated both sides and allows for the bonding of pocket sealing / welding, spot UV coating, glues, and foil stamping with ease.

Talent™ Unsupported ScuffMaster™ can be treated at a maximum treating temperature of 115 degrees Celsius (239 degrees Fahrenheit); the storage temperature must never be less than 10 degrees Celsius (50 degrees Fahrenheit) or greater than 45 degrees Celsius (113 degrees Fahrenheit).

|                       |    | Unit               | Test Method   | Result |
|-----------------------|----|--------------------|---------------|--------|
| Thickness Average ACT |    | µm                 | DINEN ISO 534 | 16     |
| Substance/Grammage    |    | g/m <sup>2</sup>   | ISO 536       | 14.40  |
| Yield                 |    | m <sup>2</sup> /kg | DIN 53375     | 54.34  |
| Tensile Strength      | MD | N/mm <sup>2</sup>  | ASTM D882     | 94.9   |
|                       | TD |                    |               | 174.8  |
| Tensile Elongation    | MD | %                  | ASTM D882     | 211    |
|                       | TD |                    |               | 71     |
| Haze                  |    | %                  | ASTM D1003    | 70.6   |
| Gloss (at 60° Angle)  |    | GE                 | ASTM D2457    | 5-6    |
| Surface Tension       |    | mN/m               | DIN 55660-2   | 46     |

MD = Main Direction TD = Transverse Direction ASTM = American Standard Test Method GE = Gloss Units  
DIN EN ISO = German, European and International Standard DIN = Deutsche Industrie Norm

Note: The information given above is believed to be true and accurate and is not intended to violate any statutory condition or right of a third party. GVDirect™ makes no warranty, express or implied, as to the fitness of the products for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification.

**GVDIRECT™****Finish Well**

GVDirect™ diligently works to ensure our Talent™ lineup of laminate films, digital technologies, equipment, and all things finishing work for our customers to gain consumer attention and market share. GVDirect™ diligently endeavors to deliver value in service, product, and equipment that surpass market demands, support productivity, and uphold social and environmental integrity.

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