

# Morbern Product Information Sheet


Mellotech OR ND (2T50)

Including Geo FFree

 Made in Canada

 RoHS compliant

 REACH compliant; non toxic;  
no heavy metals; no mercury







 ISO9001: 2015 approved supplier

 100% Vegan Leather

 Phthalate free formulation

 Safety for Toys

## Physical Properties

|   |  |  |
|---|--|--|
|  Composition |  Weight     |  Width                |
| PVC + Polyester   | 661g<br>(± 68)   | 137cm<br>(+5)  |
|  Thickness   |  Martindale |  Adhesion of Coatings |
| 1,1mm<br>(± 0,1)  | 300 000<br>Cycles  | Newton/25.4mm<br>W: ≥15.5<br>F: ≥15.5  |

| Property                | Method              | Standard                             | Tolerance |
|-------------------------|---------------------|--------------------------------------|-----------|
| Crocking                | CFFA 7              | Rating Wet: Good<br>Rating Dry: Good |           |
| Tensile* (N)            | ASTM D751           | MD: 489                              | CMD: 387  |
| Single Tear* (N)        | CFFA 16; ASTM D2261 | MD: 62                               | CMD: 49   |
| Trapezoid Tear* (N)     | ASTM D751           | MD: 102                              | CMD: 151  |
| Stretch Under Load* (%) | SAE J855            | MD: 31                               | CMD: 99   |
| Permanent Set* (%)      | SAE J855            | MD: 4                                | CMD: 14   |

\*Typical Values: These values are average results, not minimums.

\*MD: Machine Direction. CMD: Cross-Machine Direction

## Market Application Features

| Property                           | Method   | Standard   |
|------------------------------------|--|--|
| Weather Resistance / UV Resistance | ASTM G153; Cycle 1, 5000 hrs   | No significant colour change or stiffening, Min AATCC 4, UV coefficient ≥7 Blue Wool scale |
| Blocking Resistance                | CFFA 4   | 2 max.   |
| Oil Resistance                     | MI-TLWI-200 (Canola oil); 30,000 cycles W-Flex after 96hrs immersion | No evidence of delamination, cracking or whitening   |
| Anti-Bacterial Assessment          | ISO22196   | 99.9% reduction of bacteria on the surface of the coated fabric                            |
| IMO MED Wheelmark                  |  | Pending  |



Fire Retardancy

EN 1021-1 and 2  
NFPA 260, UFAC Class 1

Note: The information stated is, to the best of our knowledge, accurate. It is offered for verification and reference purposes only. Morbern Inc. offers no warranty and assumes no liability for actual reliance on this information.

Note: This product Information Sheet contains both quality and design specifications.