

TECHNICAL DATA

MONDOARMOR Thickness 6 mm

REV. 4 - 11/2020

| TECHNICAL PROPERTIES | TEST METHODS | UNIT OF MEASURE | REQUIREMENTS | VALUES FROM MANUFACTURING CONTROLS |
|--|--|--------------------|-----------------------------------|---|
| Total thickness | EN ISO 24346 | mm | 5,85 ÷ 6,15 | 6,0 |
| Thickness of wear layer | EN ISO 24340 | mm | 1,85 ÷ 2,15 | 2,0 |
| Mass per unit area | EN ISO 23997 | g/m ² | - | 8300 |
| Rolls width | EN ISO 24341 | cm | ≥ nominal value | 186 |
| Rolls length | EN ISO 24341 | m | ≥ nominal value | 12 |
| Tiles dimension | EN ISO 24342 | cm | nominal value ± 0,15 % | 91,4x91,4 |
| Hardness | ISO 7619-1 | Shore A | ≥ 75 | 80 |
| Residual indentation (after static loading) | EN ISO 24343-1 | mm | ≤ 0,20 | in conformity |
| Flexibility (method A) | EN ISO 24344 method A | - | no fissuring | no fissuring |
| Dimensional stability | EN ISO 23999 | % | ≤ 0,4 | in conformity |
| Abrasion resistance | ISO 4649 method A vertical load 5 N | mm ³ | ≤ 250 | 150 |
| Colour fastness to artificial light | ISO 105 -B02 method 3 | grade | blu scale ≥ 6 grey scale ≥ 3 | in conformity |
| Effect of castor chair | EN 425 | - | no surface change except dullness | suitable with wheels type W |
| Classification | EN ISO 10874 | class | - | 21-23/31-34/41-43 |
| Fire classification | EN 13501-1 | class | - | CLASS C _{fl} - s1 with or without adhesive |
| Dynamic coefficient of friction | EN 13893 | - | ≥ 0,3 | in conformity |
| Electrostatic Charge | EN 1815 | kV | < 2 (antistatic) | in conformity |
| Electrical resistance (R1) | EN 1081 | Ohm | - | ≥ 10exp10 |
| Thermal conductivity | EN 12667 | W/mK | - | 0,3 |
| Thermal resistance | EN 12667 | m ² K/W | - | 0,02 |
| OPTIONAL PROPERTIES | TEST METHODS | UNIT OF MEASURE | REQUIREMENTS | VALUES FROM MANUFACTURING CONTROLS |
| Improvement in footfall sound absorption | ISO 10140-3/717-2 | dB | - | 16 |
| Stain resistance | EN ISO 26987 | - | - | no surface change (*) |
| Resistance to burning cigarette | EN 1399 | class | method A ≥ 4 method B ≥ 3 | method A ≥ 4 method B ≥ 3 |
| Slip resistance | EN 13036-4 | - | - | 100÷115 |
| Shock absorption | EN 14808 | % | - | 10 |
| Vertical deformation | EN 14809 | mm | - | 1 |
| Vertical ball behaviour | EN 12235 | % | - | ≥ 95 |
| Rolling load behaviour (1500 N) | EN 1569 | mm | - | ≤ 0,5 (no damage) |
| Resistance to wear | EN ISO 5470-1 (H18 wheels, 1 kg, 1000 cycles) | mg | - | 800 |
| Specular gloss | EN ISO 2813 | % | - | ≤ 30 |
| Resistance to indentation | EN 1516 | mm | - | 0,1 |
| Resistance to impact (mass 800 g; height 1 m) | EN 1517 | mm | - | ≤ 0,5 (no damage) |
| Volatile Organic Compounds (VOC) French Decret 2011-321 | ISO 16000 | class | manifold | CLASS A+ |
| Reduction of bacterial activity | ISO 22196 | % | - | > 99,9999 (E. Coli) > 99,99 (S. Aureus) |
| Antibacterial activity | ISO 22196 | R | - | 6,27 (E. Coli) 4,72 (S. Aureus) |

(*) when tested by means of detergents specifically used for rubber