

ASD Exterior

Technical Data Sheet

| Properties | Test Method | Property or Attribute | Unit (max or min) | Values | | | | |
|--|---------------|---|--|---|----------------------------------|----------|-----|--|
| | | | | HGS | EGF | EDS | EDF | |
| SURFACE QUALITY | | | | | | | | |
| Surface Quality | EN-438-6 | Spots, dirt and similar surface defects | mm ² /m ² | ≤1 | | | | |
| | | Fibres, hairs and scratches | mm ² /m ² | ≤10 | | | | |
| DIMENSIONAL TOLERANCES | | | | | | | | |
| Dimensional Tolerances | EN 438-2.5 | Thickness tolerance | mm | 2,0≤t<3,0: +/-0,20 3,0≤t<5,0: +/-0,30 5,0≤t<8,0: +/-0,40 8,0≤t<12,0: +/-0,50 12,0≤t<16,0: +/-0,60 16,0≤t<20,0: +/-0,70 | | | | |
| | EN 438-2.6 | Length and width | mm | +10/-0 | | | | |
| | EN 438-2.7 | Straightness of edges | mm/m | ≤1,5 | | | | |
| | EN 438-2.8 | Squareness | mm/m | ≤1,5 | | | | |
| | EN 438-2.9 | Flatness | | mm/m | 2,0≤t<6,0: ≤8,0 | | | |
| | | | | mm/m | 6,0≤t<10: ≤5,0 | | | |
| mm/m | 10,0≤t: ≤ 3,0 | | | | | | | |
| GENERAL PROPERTIES | | | | | | | | |
| Resistance to impact with large diameter ball (shatter resistance) | EN 438-2.21 | Drop height(h)/indentation diameter(d) | mm | 2,0≤t<6,0: h=1400/d≤10 | | | | |
| | | Drop height(h)/indentation diameter(d) | mm | 6 ≤ t: h=1800/d≤10 | | | | |
| Resistance to wet conditions | EN 438-2.15 | Mass increase | % (max.) 2≤t<5 | 7 | 10 | | | |
| | | | % (max.) 5≤t | 5 | 8 | | | |
| | | Appearance | Rating (min) | 4 | 4 | | | |
| | | Appearance | Rating (min) | 3 | 3 | | | |
| Dimensional stability at elevated temperature | EN 438-2.17 | Cumulative dimensional change 2≤t<5 mm | Longitudinal (%) | ≤ 0,40 | | | | |
| | | Cumulative dimensional change 2≤t<5 mm | Transversal (%) | ≤ 0,80 | | | | |
| | | Cumulative dimensional change 5 mm ≤ t | Longitudinal (%) | ≤ 0,30 | | | | |
| | | Cumulative dimensional change 5 mm ≤ t | Transversal (%) | ≤ 0,60 | | | | |
| Resistance to climatic shock | EN 438-2.19 | Appearance | Rating | 4 | | | | |
| | | Flexural strength index | Rating (min) | 0,80 | | | | |
| | | Flexural modulus | Rating (min) | 0,80 | | | | |
| Resistance to UV Light | EN 438-2.28 | Contrast (after 1500 hours of exposure) | Grey scale rating | EGS | EGF | EDS | EDF | |
| | | Appearance (after 1500 hours of exposure) | Rating (min) | - | - | 3 | 3 | |
| | | | | - | - | 4 | 4 | |
| Resistance to artificial weathering | EN 438-2.29 | Contrast | Grey scale rating (min) (not worse than) | 3 | 3 | 3 | 3 | |
| | | | | (after 325jm2 light exposure) | (after 650 MJ/m2 light exposure) | | | |
| | | Appearance | Rating (min) | 4 | 4 | 4 | 4 | |
| | | | | (after 325jm2 light exposure) | (after 650 MJ/m2 light exposure) | | | |
| Flexural modulus | EN ISO 178 | Stress | Mpa (min) | 9000 | | 9000 | | |
| Flexural strength | EN ISO 178 | Stress | Mpa (min) | 80 | | 80 | | |
| Density | EN ISO 1183-1 | Density | g / cm ³ (min) | 1,35 | | 1,35 | | |
| | | Resistance to fire (6 mm ≤ t) | Classification | D-s2, d0 ≤ | | B-s2, d0 | | |
| Formaldehyde emission | EN 717-2 | Gas analysis | mg/(m ² *h) | 0,5 | | | | |
| | | Classification | Rating | E1 | | | | |