

Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	$0.15 \leq t \leq 0.3$ mm $0.3 \leq t$ : According To Agreement customer / producer
Resistance To Surface Wear	EN 438-2 Section 10 UNI 9115/87	Index 1 For Vertical Use Level 3
Scratch Resistance	EN 438-2 section 25	Min. 1.75 N
Resistance to Staining	EN 438-2 section 2 Group 1 + 2 Group 3	Min. level 4 Min. level 3
Lightlessness ( Xenon Arc )	EN 438-2 section 27 Grey Scale Rating	4 - 5
Resistance to Dry Heat at 180°C	EN 438-2 section 16	Min. level 4
Resistance to Cigarette Burn	EN 438-2 section 30	Min. Level 3
Resistance to Water Vapor	EN 438-2 section 14	Min. Level 4
Resistance To Impact By Small Diameter Ball	EN 438-2 section 20	$F \geq 20N$ / Index 3
Formability <sup>(1)</sup>	EN 438-2 section 31	Bending Radius $\leq 1$ mm
Adhesive Type To Substrate <sup>(2)</sup>	---	See application remarks
Packing & storage	---	It is highly recommended to wrap the laminate roll after use and store in proper conditions ( Protected against direct sun light / RH = 50-60% / Temp. 10 - 25°C ). Laminate Rolls in storage more then 6 months should be tested prior to serial production .
Shelf Life	---	For flat lamination – 12 Months For wrapping products – 6 months

**Application Remarks :**

- (1) SynchroFlex laminates are suitable for flat lamination / forming / wrapping in bending radius of 90° / 3D surfaces according to the application system ( Adhesive / Heat / Pressure / Machinery ) .  
It is most recommended to evaluate the product performance before serial production .
- (2) The compatibility of the laminate to the substrate ( MDF / HDF / CB ) should be tested prior to Serial production . In any assistance for adhesion peel strength please refer to the producer .
- (3) The compatibility of the laminate to the adhesive should be tested prior to serial production .  
Recommended Adhesive types : PU Hot Melt / PUR Hot Melt / Polyester .  
Not recommended adhesive types : PVA / PVAc / Contact Adhesive / MUF .
- (4) Special care should be taken during cleaning and no abrasive material / hard acids / hard bases / organic Solvents should be used . Moist cotton cloth is the most recommended cleaning system .