

WMH565**DESCRIPTION**

High Mass clear acrylic tape with red film liner

FEATURES

- 1) Good absorption for impact or shock
- 2) Good flexibility/softness for curve line and good to fill the gap
- 3) Glass clear transparency
- 4) Good weather ability, Solvent resistance

STRUCTURE**TYPES**

Thickness	0.25mm	0.5mm	1.0mm	1.5mm	2.0mm
Density (kg/m ³)	900 Kg/m ³				
Colour	Transparent				
Liner	Red PE				

ADHESION TEST

The force required to pull a strip of tape from a surface at a 180 degree angle, at the rate of 300± 10mm per minute.

- 1) Initial Stage: 30mins after adhesion, measure at room temperature.
- 2) Normal Stage: 24hrs after adhesion, measure at room temperature.
- 3) High Temperature aging: 40mins after adhesion at 80°C measure.
- 4) Low Temperature aging: 30mins after adhesion at -30°C measure.

Thickness	Initial Stage	Normal Stage	High Temp.	Low Temp.	Remark
0.25mm	800	900	1200	800	
0.50mm	1000	1400	1600	900	Gf/10mm
1.0mm	1200	1500	1800	1000	
1.5mm	1300	1600	2000	1100	
2.0mm	1400	1700	2100	1100	Gf/10mm

TENSILE STRENGTH TEST

The maximum tensile force that can be withstood by a material, without breaking, at the rate of 200± 10mm per minute

- 1) Initial Stage: 30mins after adhesion, measure at room temperature
- 2) Normal stage: 24hrs after adhesion, measure at room temperature
- 3) High temperature: 24 hrs after adhesion – leave 30mins at 80°C – measure in temperature 80°C
- 4) Low temperature: 24 hrs after adhesion – leave 30mins at –30°C – measure in temperature –30°C
- 5) Heat aging: Leave 240hrs at 80°C and measure after 30mins at room temperature.
- 6) Low temperature aging: Leave 48 hrs at –30°C and measure after 30 min at room temperature.
- 7) Heat impact test: 24hrs after adhesion – (3hrs at 80°C – 2hrs at 23°C – 3hrs at 20°C – 2 hrs at 23°C – 12hrs at 40°C and 95%RH – 2hrs at 23°C) x 5 cycles – measure.
- 8) Water resistance: 24 hrs after adhesion – deposit at 40° C water for 168 hrs – leave 2 hrs at room temperature and measure.

Item	Initial stage	Normal stage	High temp.	Low temp.	Heat aging	Low temp. aging	Heat impact	Water resistance
0.25mm	5.0	6.0	6.5	5.0	6.8	6.3	7.5	5.3
0.50mm	5.1	6.1	6.7	5.2	7.5	6.8	8.0	5.4
1.0mm	5.3	6.2	6.9	5.4	7.6	7.1	8.1	5.6
1.6mm	5.6	6.5	7.2	5.6	7.8	7.9	8.4	5.7
2.0mm	5.6	6.6	7.3	5.7	7.9	7.9	8.5	5.9

HEAT RESISTANCE TEST

Allow to condition at 40°C for 1hr, a temperature that can be separated from the substrates under 500g load, increasing temperature by 3°C/5mins

Tape size : 20mm x

20mm

Weight : 500g

Item	Result	Remark
0.25mm	120°C	
0.5mm	120°C	
1.0mm	120°C	
1.5MM	120°c	
2.0MM	120°c	

CHEMICAL RESISTANCE

- 1) Gasoline-resistance; Measure holding power of test piece, after 24hrs adhesion and 1 hrs after deposit in gasoline.
- 2) Was-resistance: Measure holding power of test piece, after 24hrs adhesion and 5 mins after deposit of wax.

Item	Gasoline	Wax	Removal Wax	Saline
0.4mm	4.5	5.3	5.0	6.0
0.8mm	4.2	5.0	4.7	5.6
1.1mm	4.1	4.9	4.7	5.4
2.0mm	4.0	4.7	4.5	5.0
3.0mm	4.2	4.9	4.8	5.6

REMARK: kgf/10mm²**CAUTION BEFORE USE**

- 1) Remove any dirt on the substrates before work. Clean dry and grease free.
- 2) The best using temperature is 18°C to 25°C
- 3) A primer maybe required for application to PP or PE.

NOTE

All Technical data is based on average values. By nature of its manufacture, all foam specifications can vary by 10%. Statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the User assumes all risk and liability whatsoever in connection herewith