



Version 2
18/12/2013

HM 9105

- Type of Adhesive** HM9105 is an Acrylic UV-Curable adhesive
- Product Benefits** HM9105 is a no VOC, clear, transparent adhesive which has excellent heat, UV and plasticizer resistance. It has very high shear strength (holding power) with excellent ageing resistance plus good die cutting, guillotine properties.
- Typical Applications** Pressure Sensitive Labels.

Typical Properties

Raw Material Base	Acrylic
Colour	Clear / Translucent
Specific Gravity	1.06
Viscosity @ 107°C	136,000 cP
Viscosity @ 121°C	70,500 cP
Viscosity @ 135°C	41,700 cP
Viscosity @ 149°C	25,800 cP
Viscosity @ 163°C	17,000 cP
Peel	1.36 Kg-mass/in
Static Adhesion Failure Test Temperature	121°C
Loop Tack	1.13 Kg
Application Temperature	132°C
Storage Life	1 year
Safety	Refer to Safety Data Sheet

Our Focus is Clear. Perfecting Adhesives.

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TECHNICAL DATA SHEET 技术资料

Spectral Requirements

The cure rate depends on many different things. Thickness of the adhesive coating, speed of the process, UV – light wavelength, intensity of the UV energy, the temperature of the adhesive at exposure, etc.

Spectral Guide Only

UV Requirements	Amount of UV energy required to cure a 1-mil thick film of adhesive on PET film	UV A band – Approx 0.320 J/cm2
Fusion F-600 H-bulb (600 Watts)	Line Speed (ft/min)	Energy of exposure UV A (J/cm2)
1 Lamp	50	0.32
1 Lamp	100	0.16
1 Lamp	200	0.08
1 Lamp	300	0.04
2 Lamp	400	0.08
2 Lamp	500	0.06
2 Lamp	600	0.04

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