

Table I Characteristics of polymer compositions tested

Designation	$T_s$ °C	$T_g$ °C	Basic polymer		Tackifier		Wax	
			EVAK-25	EVAK-400	HRR-2	ARR-9	V-5	
			%, wt.		Hydrogenation %	%, wt.	%, wt.	%, wt.
HM-VO-4	99	-7.3	15	15	70	53	0	17
HM-L-05-1	98	-	15	15	90	47	6	17
HM-L-05-2	100	-8.2	15	15	90	42	11	17
HM-L-05-3	100	-	15	15	90	37	16	17
HM-L-05-7	96	-9.7	15	15	90	46	7	17

Designation	$T_s$ °C	$T_g$ °C	Basic polymer		Tackifier		Wax	
			EVA K-25	EVA K-	HRR-2	ARR-9	V-5	
			%, wt.		Hydrogenation %	%, wt.	%, wt.	%, wt.
HM-VO-4	99	-7.3	15	15	70	53	0	17
HM-L-05-1	98	-	15	15	90	47	6	17
HM-L-05-2	100	-8.2	15	15	90	42	11	17
HM-L-05-3	100	-	15	15	90	37	16	17
HM-L-05-7	96	-9.7	15	15	90	46	7	17

Table II Characteristics of HMA components

Designation	Composition	Glass transition temp., $T_g$ , °C	Softening point $T_s$ , °C	Melt index $g (10 \text{ min})^{-1}$
EVAK-25	Polyethylene-vinylacetate copolymer	-15.8	119	25
EVAK-400	Polyethylene-vinylacetate copolymer	-18.1	85.7	400
HRR-2	Non-polar partly hydrogenated hydrocarbon resin	-	99	-
ARR-9	Hydrocarbon resins based on $\alpha$ -methylstyrene	-	100	-
V-5	Non-polar Fischer Tropsch wax	62.7	105	-