

TECHNICAL DATA SHEET

BRL-10

BRL-10 is a very unique liquid resin with low color and very narrow molecular weight distribution. It displays excellent compatibility with various polymers (NR, POE, APAO, SBC, EVA, ACRYLIC ect).

It mainly provide low temperature tack and reduce the melt viscosity of hot melt adhesive.

BRL-10 used in PSA can avoid process oil migration in lower temperature since its low Tg. It's excellent low temperature properties assure PSA maximum performance and long shelf-life.

SUGGEST APPLICATION

1. HMPSA: Simultaneous improvement of initial adhesion, peel adhesion and cohesion, improve the adhesion to non-polar material.

Common application: Low temperature label such as fruits & vegetables label, vaccines & blood bottle label, Tire label etc.

2. EVA hot melt adhesive: Reduce the melt viscosity, improves flexibility, and improves low temperature properties.

3. Hot-Melt protective film: Increase cohesion, reduce the amount of gelatinize to save costs.

SPECIFICATIONS

Softening Point (Ring & Ball, °C)	0-15	ASTM E 28
Initial Color (Yellow Index)	35	ASTM D 6166
(Gardner)	4	ASTM D 616

TYPICAL VALUE

Wax Cloud Point (EVA/Resin/Wax=20/40/40)	65	BDTM/Q-10
Melt Viscosity BRF, @40°C, cps	10,000	ASTM D 3236
Molecular Weight (G.P.C, Mn)	550	
(G.P.C, Mw)	600	
(G.P.C, Mz)	650	
D	1.1	

PACKING

BONROY INTERNATIONAL LIMITED

Add: ZIBO NEW MATERIAL TRADING CENTER | NORTHEASTERN CORNER OF BEIJING ROAD AND RENMIN ROAD
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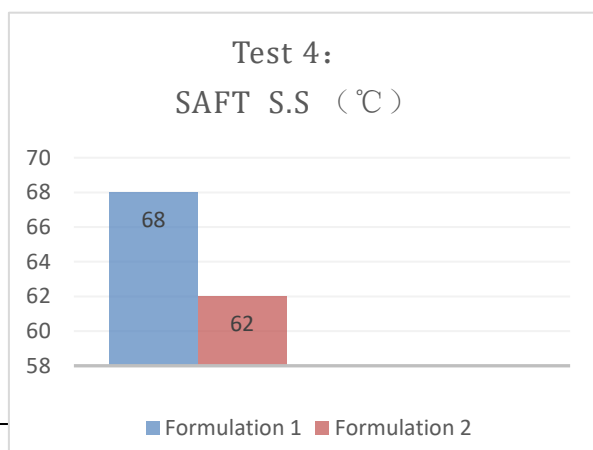
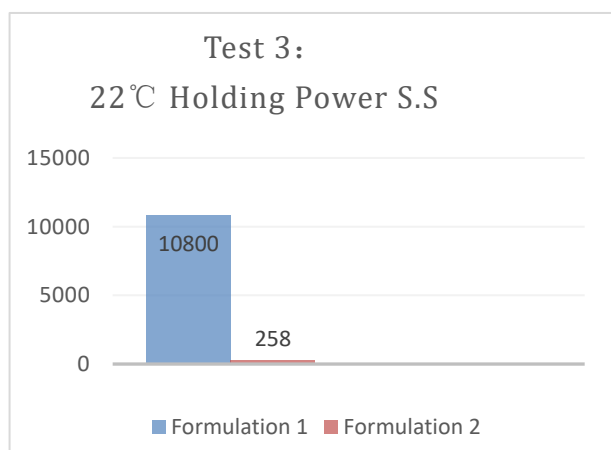
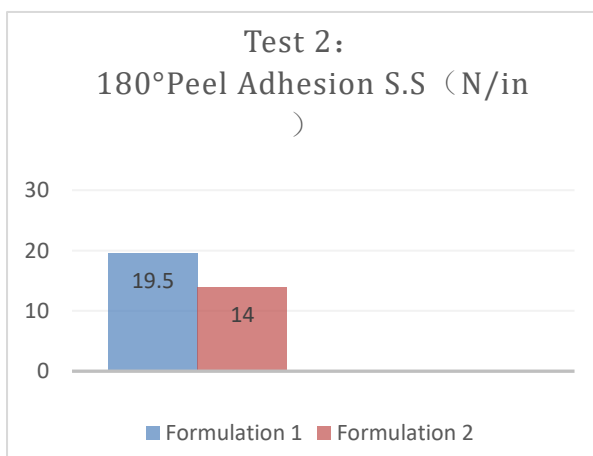
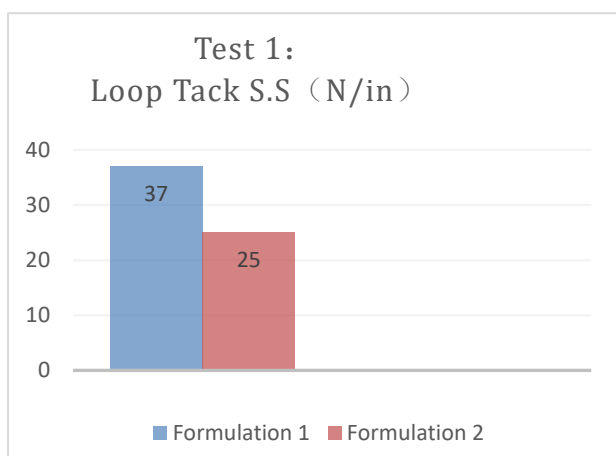
L-2510 is available in 170Kg galvanized iron drums.

It is common practice to include process oil (such as 4010, 350N) in pressure sensitive adhesive (PSA) formulations to improve low low temperature properties. However, this frequently will reduce adhesive stability due to the migration of oil to the adhesive interface. At high loading of process oil migration can result in lower peel, tack and shear in adhesive system.

Liquid tackifying resin L-2510 replace process oil can help increase peel, tack and shear, also can give a PSA with maximum performance and stability.

The following formula application test for reference,

HMPSA Formulations		
	Formulation 1	Formulation 2
LCR 5516	35	35
C5 Resub O-1304	20	20
Modified C5 Resin O-2203	28	28
Liquid Resin C5L-5	9	0
Naphthenic Oil 4010	8	17



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