

TECHNICAL SERVICE TEST REPORT

REQUEST: TS 4886	PAGE: 1 of 2
SALES:	DATE: 2/2/17
CUSTOMER: REX Performance Products	FB DUE:

APPLICATION:	Polyethylene Foam
TEST SAMPLES:	Customer-supplied Polyethylene foams (identified in charts below)
TESTING REQUESTED:	Subjective Bonding Study

SETUP AND TESTING

Adhesive systems (see charts below) were backed with 1 mil PET film (liner-side for double-coated products) and trimmed to 1 inch width. 3 sample sets were laminated to customer-supplied materials. One set laminated at Room Temperature, one set using 135°F Heat Assist, and one set using 170°F Heat Assist. Samples laminated with ~50% Compression. Samples conditioned for 7 days and subjectively evaluated.

RESULTS

Subjective Bonding Study

LAM	RPP 220			RPP 400			RPP 170			RPP 600		
	XTRABLACK (1")			NATURAL (0.5")			BLACK ECO (0.5")			BLACK (0.125")		
	RT	135°F	170°F	RT	135°F	170°F	RT	135°F	170°F	RT	135°F	170°F
2016M	G	G	VG	NR	G	VG	E	E	E	VG	VG	VG
2237M	NR	NR	G	NR	NR	F	F	G	VG	F-G	G	E
4787M	NR	NR	NR	NR	NR	NR	F	NR	F	F	F	F
3175M	NR	NR	G	NR	NR	F	F	NR	VG	F	F	VG
5000M	NR	NR	G	NR	NR	F	F	NR	VG	F	F	VG
5008B	NR	NR	G	NR	NR	NR	NR	NR	VG	F	F-G	E
5944M	F	F	F	NR	NR	NR	E	E	E	F	F-G	G
653	NR	NR	NR	NR	NR	NR	VG	E	E	F-G	F-G	F-G
654M	NR	NR	NR	NR	NR	NR	G-VG	VG-E	VG-E	F	F-G	F-G
655	NR	F	F	F	F	F-G	E	E	E	F-G	G	G
7744	VG	VG	VG-E	F	G	VG	E	E	E	G	E	E
7854	G-VG	VG	VG	F	G	VG	VG-E	E	E	E	VG	VG

LAM = Lamination Temperature

Tested and not recommended: 250 Series, 700 Series, 353M, 4300 Series, 7800 Series

FOR INTERNAL USE ONLY

Adchem Technical Service Test Report for Internal Use Only. Any data, information, or recommendations provided are based upon experience and limited testing and is not to be used for specification purposes. Customer is responsible for determining whether a product is suitable for their particular application and process.

TECHNICAL SERVICE TEST REPORT *continued*

Page 2 of 2

LAM	RPP 220			RPP 170			PPT 120		
	NATURAL (0.5")			NATURAL (0.5")			NATURAL (0.5")		
	RT	135°F	170°F	RT	135°F	170°F	RT	135°F	170°F
2016M	VG	E	E	E	E	E	E	E	E
2237M	NR	F-G	VG	NR	G-VG	E	NR	VG	E
4787M	NR	NR	F	NR	F	G	NR	G	E
3175M	NR	F-G	VG-E	NR	VG	E	F	G	E
5000M	NR	F-G	VG-E	NR	VG	E	F	G	E
5008B	NR	F	G	NR	G	G-VG	NR	F-G	VG
5944M	VG	VG	VG-E	VG	E	E	E	E	E
653	G	VG	E	VG	VG-E	E	VG	VG	VG
654M	F-G	VG	VG-E	G-VG	VG	E	G-VG	VG	VG
655	VG-E	E	E	E	E	E	E	E	E
7744	E	E	E	E	E	E	E	E	E
7854	E	E	E	E	E	E	E	E	E

LAM = Lamination Temperature

Tested and not recommended: 250 Series, 700 Series, 353M, 4300 Series, 7800 Series

SUBJECTIVE RATING SYSTEM

Adhesive bonds are subjectively evaluated and rated based on strength of adhesive bond to material being tested and/or degree of destruction to surface of material being tested.

E = EXCELLENT – Complete destructive bond and/or substantial force required to remove adhesive from material.

VG = VERY GOOD – Substantial Destruction to surface of material and/or significant force required to remove adhesive from material.

G = GOOD – Partially destructive bond and/or moderate force required to remove adhesive from material.

F = FAIR – Non-destructive bond to material but moderate force required to remove adhesive.

NR = NOT RECOMMENDED – No bond development to foam. Adhesive not recommended.

FOR INTERNAL USE ONLY

Adchem Technical Service Test Report for Internal Use Only. Any data, information, or recommendations provided are based upon limited testing and experience and is not to be used for specification purposes. Customer is responsible for determining whether a product is suitable for their particular application and process.

Form Number: 4.10F05E

Revision: 5

Date: March 23, 2007