



Association of Plastic Recyclers
1776 K Street, NW
Washington DC 20006

www.plasticsrecycling.org

August 26, 2021

Dr. Clay Kellam
Head of Product Development
Henkel Corporation
10 FINDERNE AVENUE
BRIDGEWATER, NJ 08807

Dear Dr. Kellam:

APR, the Association of Plastic Recyclers, is pleased to recognize Henkel's two component, LOCTITE® LIOFOL LA 4220 RE and LOCTITE® LIOFOL LA 3180 RE adhesive for PE film lamination as meeting or exceeding APR's FPE-CG-01, *Critical Guidance Protocol for PE Film and Flexible Packaging's* most strict requirements and hereby so states. This APR recognition is based on the technical recyclability of the two-part, solventless polyurethane lamination adhesive used at nominal 2% loading on undecorated polyethylene films.

A Review Committee, appointed per the APR Recognition Operating Procedures, reviewed your July 15, 2021 data submission and concluded the data were correctly obtained by a qualified laboratory and were completely presented to show the label substrate submitted meets or exceeds all critical guidance.

The Critical Guidance protocol, FPE-CG-01, is the product of multi-industry consensus of key issues related to the recycling of postconsumer polyethylene films. The Protocol directs innovators to conduct specific testing per established testing procedures and then provide the innovator with guidance to interpret the results. The APR recognition is based on the innovations meeting or exceeding the most challenging test conditions and strictest guidance criteria.

APR thanks Henkel for its cooperation in using this important protocol. The protocol is intended to improve the quality of recycled PE films by helping innovators to make informed decisions about the consequences of PE film innovations. The impact of these protocols is world-wide.

Our recognition applies only to the adhesive coating consisting of Henkel's LOCTITE® LIOFOL LA 4220 RE and LOCTITE® LIOFOL LA 3180 RE and not to any decoration or non-PE film structure or substrate modification. Meeting the Critical Guidance Document guidelines is a truly significant step in demonstrating overall recyclability of your resin product.

Yours truly,

APR President and CEO

The Voice of Plastics Recycling™

