

Product Performance Profile for Pneumatic Dunnage

Product Verification List

The pneumatic dunnage products (air bags) listed below have completed testing and have been verified for a period of three years from the date indicated. Pneumatic dunnage that has successfully completed testing, as noted in the Product Performance Profile for Pneumatic Dunnage, will require Association of American Railroads re-verification every three years¹. Any change to a verified bags' material composition or method of manufacture, including valve type or location, requires re-verification. The Product Performance Profile for Pneumatic Dunnage can be found in AAR General Information Bulletin No. 9, available at www.aar.com.

Beginning in 2014, suppliers, vendors and distributors have the opportunity to have pneumatic dunnage products that have been verified by a manufacturer listed in this Product Verification List under a separate trade or brand name. To qualify, a supplier must provide written confirmation from the manufacturer identifying their company as an authorized representative of that manufacturer's products, and that the product is the same in both material and method of manufacture as the product verified. Contact DPLS@aar.com for details.

	<i>Level of Verification</i>	<i>General Description</i>	<i>Date of Verification</i>
AB Airbags "TUFFY" Series "X"	Level 1	Polyethylene/Polypropylene	July 5, 2016
AB Airbags "TUFFY" Series "Y"	Level 1	Polyethylene/Polypropylene	August 23, 2016
AB Airbags "TUFFY" Series "Z"	Level 1	Polyethylene/Polypropylene	June 14, 2016
AB Airbags "BEAR BAG"	Level 1	Paper/Polyethylene	June 16, 2014
AB Airbags "TUFFY" Series	Level 2	Polyethylene/Polypropylene	May 10, 2017
AB Airbags "TUFFY" Series	Level 3	Polyethylene/Polypropylene	May 10, 2017
AB Airbags "TUFFY" Series	Level 4	Polyethylene/Polypropylene	May 31, 2017
Atmet Group	Level 1	Polyethylene/Polypropylene - AtmetOne	May 31, 2017
Atmet Group	Level 1	Paper/Polypropylene - AtmetOne+	March 7, 2017
Atmet Group	Level 2	Polyethylene/Polypropylene - AtmetTwo	April 5, 2017
Atmet Group	Level 3	Polyethylene/Polypropylene - AtmetThree	October 30, 2014
Atmet Group	Level 4	Polyethylene/Polypropylene - AtmetFour	October 30, 2014
Atlas/CargoTuff	Level 1	Polyethylene/Polypropylene	August 29, 2017
Atlas/CargoTuff	Level 2	Polyethylene/Polypropylene	August 30, 2015
Atlas/CargoTuff	Level 3	Polyethylene/Polypropylene	February 2, 2016
Atlas/CargoTuff	Level 4	Polyethylene/Polypropylene	February 2, 2016
Atlas/CargoTuff	Level 5	Polyethylene/Polypropylene	November 29, 2017
Atlas/FORANKRA ACK	Level 1	Polyethylene/Polypropylene	August 29, 2017
Atlas/MANICARDI S.R.L	Level 1	Polyethylene/Polypropylene	August 29, 2017
Bates Cargo-Pak ApS	Level 1	Paper	June 21, 2015
Bulk-Pack, Inc.	Level 1	Polyethylene/Polypropylene with T-Valve	September 19, 2017

¹ **Section 5.0 PROCEDURES FOR AFTER TEST FAILURES** will apply should the listed pneumatic dunnage products fail during field performance. If evaluation and testing shows that a pneumatic dunnage fails to meet the specifications of the most recent verification, the manufacturer will be so advised. If two subsequent failures and retests within a 90-day period show the pneumatic dunnage does not meet the specifications of the most recent verification, the existing verification will be revoked.

Product Performance Profile for Pneumatic Dunnage

Product Verification List

	<i>Level of Verification</i>	<i>General Description</i>	<i>Date of Verification</i>
Complete Packaging Systems "Cyclone" Series	Level 1	Paper with Jumbo/Striker Valve	October 27, 2015
Complete Packaging Systems "Cyclone" Series	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Valve	March 26, 2015
Complete Packaging Systems "Cyclone" Series	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Edge Valve	December 16, 2014
Complete Packaging Systems "Cyclone" Series	Level 2	Polyethylene/Polypropylene with Jumbo/Striker Valve	February 19, 2015
Complete Packaging Systems "Cyclone" Series	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 27, 2015
Complete Packaging Systems "Cyclone" Series	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Edge Valve	November 20, 2014
Complete Packaging Systems "Cyclone" Series	Level 4	Paper with Jumbo/Striker Valve	June 2, 2015
Complete Packaging Systems "Cyclone" Series	Level 5	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 17, 2016
Cordstrap – Cargo Secure Medium Plus	Level 1	Polyethylene/Polypropylene Edge Valve	March 28, 2017
Cordstrap – Cargo Secure Heavy	Level 2	Polyethylene/Polypropylene Edge Valve	September 19, 2017
Etap Packaging International GmbH	Level 1	Polyethylene/Polypropylene with Fast Flow Valve	June 14, 2016
FORM Koruyucu Ambalaj San. Ve Tic. Ltd. Şti. *	Level 1	Polyethylene/Polypropylene with Turbo Flow Valve	November 8, 2016
International Dunnage	Level 1	Polyethylene/Polypropylene with Safe Lock Valve	June 29, 2015
International Dunnage	Level 2	Polyethylene/Polypropylene with Safe Lock Valve	October 9, 2015
International Dunnage	Level 3/4	Polyethylene/Polypropylene with Safe Lock Valve	December 16, 2014
International Dunnage	Level 5	Polyethylene/Polypropylene with Safe Lock Valve	December 5, 2015
OEMSERV Hong Kong Limited	Level 1	Paper/Polyethylene	June 16, 2014
OEMSERV Hong Kong Limited	Level 1	Polyethylene/Polypropylene	March 26, 2015
Phoebese Industrial (Shanghai) Co., Ltd	Level 1	Polyethylene/Polypropylene	August 17, 2016
Phoebese Industrial (Shanghai) Co., Ltd	Level 2	Polyethylene/Polypropylene	May 10, 2017
Phoebese Industrial (Shanghai) Co., Ltd	Level 3	Polyethylene/Polypropylene	May 10, 2017
Phoebese Industrial (Shanghai) Co., Ltd	Level 4	Polyethylene/Polypropylene	May 31, 2017
ProDragon Ltd.	Level 1	Polyethylene/Polypropylene	December 29, 2014
ProDragon Ltd.	Level 3	Polyethylene/Polypropylene	March 20, 2014
ProDragon Ltd.	Level 4	Polyethylene/Polypropylene	March 16, 2015
Rothschenk GmbH	Level 1	Polyethylene/Polypropylene	September 29, 2014
Shanghai Dream-Mao packing Technology Co., Ltd	Level 1	Polyethylene/Polypropylene	October 31, 2017
Shanghai Shuangzhong Packing Materials Co., Ltd.	Level 4	Polyethylene/Polypropylene	August 30, 2015
Shippers Products	Level 1	Paper with Super Flow Valve	October 27, 2015
Shippers Products	Level 1	Paper with TX Valve	November 9, 2015
Shippers Products	Level 1	Polyethylene/Polypropylene with TF Valve	April 22, 2015

Product Performance Profile for Pneumatic Dunnage Product Verification List

	<i>Level of Verification</i>	<i>General Description</i>	<i>Date of Verification</i>
Shippers Products	Level 1	Polyethylene/Polypropylene with TX Valve	August 7, 2015
Shippers Products	Level 2	Paper with Fast Fill Valve	October 9, 2015
Shippers Products	Level 2	Polyethylene/Polypropylene with SX Valve	May 21, 2015
Shippers Products	Level 2	Polyethylene/Polypropylene with TX Valve	September 8, 2015
Shippers Products	Level 3	Paper with Fast Fill Valve	January 5, 2016
Shippers Products	Level 3	Polyethylene/Polypropylene with SX Valve	November 20, 2014
Shippers Products	Level 3	Polyethylene/Polypropylene with TX Valve	September 8, 2015
Shippers Products	Level 4	Paper with Fast Fill Valve	April 19, 2017
Shippers Products	Level 4	Paper TX Valve	May 31, 2017
Shippers Products	Level 4	Polyethylene/Polypropylene with SX Valve	October 10, 2014
Shippers Products	Level 4	Polyethylene/Polypropylene with TX Valve	September 14, 2015
Shippers Products	Level 5	Polyethylene/Polypropylene with SX Valve	March 16, 2015
Shippers Products	Level 5	Polyethylene/Polypropylene with TX Valve	October 21, 2015
Stopak	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 10, 2017
Stopak	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Mid-Valve	January 8, 2018
Stopak	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Edge Valve	January 3, 2017
Stopak	Level 2	Polyethylene/Polypropylene with Jumbo/Striker Valve	February 19, 2015
Stopak	Level 2	Paper with Jumbo/Striker Valve	June 29, 2015
Stopak	Level 2	Polyethylene/Polypropylene with Jumbo/Striker Edge Valve	March 7, 2017
Stopak	Level 3	Paper with Jumbo/Striker Valve	December 5, 2015
Stopak	Level 3	Polyethylene/Polypropylene with Jumbo/Striker	November 8, 2016
Stopak	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 27, 2015
Stopak	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Edge Valve	December 19, 2017
Stopak	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Mid-Valve	March 16, 2015
Stopak	Level 4	Paper with Jumbo/Striker Valve	June 2, 2015
Stopak	Level 5	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 17, 2016
Sunrise Mfg., Inc.	Level 1	Polyethylene/Polypropylene with Jumbo/Striker Valve	March 26, 2015
Sunrise Mfg., Inc.	Level 1	Paper with Jumbo/Striker Valve	October 27, 2015
Sunrise Mfg., Inc.	Level 2	Paper with Jumbo/Striker Valve	June 29, 2015
Sunrise Mfg., Inc.	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 27, 2015

Product Performance Profile for Pneumatic Dunnage Product Verification List

Sunrise Mfg., Inc.	Level 5	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 17, 2016
Tianjin Zerpo Supply Co., Ltd.	Level 1	Polyethylene/Polypropylene	August 31, 2015
Tyoga Guardian	Level 1	Paper with Jumbo/Striker Valve	October 27, 2015
Tyoga Guardian	Level 2	Polyethylene/Polypropylene with Jumbo/Striker Valve	February 19, 2015
Tyoga Guardian	Level 2	Paper with Jumbo/Striker Valve	June 29, 2015
Tyoga Guardian	Level 4	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 27, 2015
Tyoga Guardian	Level 5	Polyethylene/Polypropylene with Jumbo/Striker Valve	October 17, 2016
US Dunnage, LLC	Level 1	Paper	April 22, 2015
US Dunnage, LLC	Level 2	Paper	April 22, 2015
US Dunnage, LLC	Level 3	Paper	May 21, 2015
US Dunnage, LLC	Level 4	Paper	May 21, 2015

Other Pneumatic Dunnage Bags Approved for Use with Specific Loading Methods

	<i>General Description</i>	<i>Associated Method(s)</i>
AB Airbags	"Tuffy" Series Level 1 Square Woven Poly Bag	F-2 ⁱ
Atlas/CargoTuff	Level 1 Square Woven Poly Bag	F-2
Complete Packaging Systems Inc.	Level 1 Square Woven Poly Bag	F-2
International Dunnage	Level 1 Square Woven Poly Bag with Fast Flow Valve	F-2
Shippers Products	Level 1 Square Paper Bag	F-2
Shippers Products	Level 1 Square HIPPO woven Poly Bag	F-2
Stopak	Level 1 Square Paper Bag	F-2
Stopak	Level 1 Square Woven Poly Bag	F-2
Sunrise Mfg., Inc.	Level 1 Square Woven Poly Bag	F-2
Tyoga Guardian	Level 1 Square Paper Bag	F-2
Tyoga Guardian	Level 1 Square Woven Poly Bag	F-2

ⁱ Reference AAR Intermodal Loading Guide

*-This bag is 90(35in) x 180(71in) cm