

## BF253 Polyester (PET) Film

### DESCRIPTION

BF253 is a polyester (PET) film coated with a proprietary adhesive that bonds to PET and protects wire when placed in a harness or sheathing.

### CHARACTERISTICS

- Good mechanical properties
- Heat stability
- Good handling properties

### COMPLIANCE

Please visit [transcendia.com/compliance](https://transcendia.com/compliance) for more compliance information.

### TECHNICAL DATA

BASE FILM PROPERTIES		UNIT OF MEASURE	TYPICAL VALUES		TEST METHOD
Color		-	Visual color match to standard retain		
Moisture Resistance		-	Not currently tested. Will test if provide preferred test method.		TBD
Thickness		.00001"	18	22	-
Nominal Yield		in <sup>2</sup> /lb.	109,800	89,800	-
F-5	MD	in <sup>2</sup> /lb.	16,400	15,800	ASTM D882
	TD		14,200	13,900	
Tensile Strength at Break	MD	in <sup>2</sup> /lb.	40,800	40,400	ASTM D882
	TD		33,400	34,100	
Elongation at Break	MD	in <sup>2</sup> /lb.	90	100	ASTM D882
	TD		100	110	
Heat Shrinkage (150°C for 30 minutes)	MD	%	2.4	2.4	ASTM D1204
	TD		1.1	1.0	
CoF	A-side	μs	.6	.6	ASTM D1894
	B-side	μD	.5	.5	
PROPERTIES FOR COATED FILM		UNIT OF MEASURE	TYPICAL VALUES		TEST METHOD
Color Coating Weight		GSM	1.3 to 1.6		
Adhesive Strength		lbs./sq. inch	Pass: ≥ 0.12	Fail: < 0.12	Instron 4442
Optimal Shelf Life		Shelf life 1yr from date of purchase, Storage 50°F to 85°F and 20% to 70% RH			

\*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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Revision Date: 1/23/2025  
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Revision Date: 6/7/2023

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