

PVC to Renegade Conversion Guide

Find your starting point for switching from vinyl to Renegade. Our polypropylene-based fabrics can match vinyl fabrics in tear and tensile strength while weighing less, helping reduce transportation and labor costs while meeting your durability needs. Use the comparisons below to identify a Renegade fabric that could be a good fit based on the vinyl you currently use.

Strength Comparison

PVC Weight (oz/yd ²)	PVC Grab Tear Strength (Warp/Waft)	Renegade Equivalent Weight (oz/yd ²)	Renegade Grab Tear Strength (lbf)	Renegade Product Line
10 oz/yd ²	170/155 lbf	6 oz/yd ²	200/185 lbf	PPI-200
12 oz/yd ²	300/300 lbf	8 oz/yd ²	330/290 lbf	PPI-270
14 oz/yd ²	300/300 lbf	8 oz/yd ² or 11 oz/yd ²	330/290 lbf 450/410 lbf	PPI-270 or PPI-370
16 oz/yd ²	350/320 lbf	11 oz/yd ² or 12.4 oz/yd ²	450/410 lbf 480/370 lbf	PPI-370 or PPI-420
18 oz/yd ²	450/400 lbf	11 oz/yd ² or 12.4 oz/yd ²	450/410 lbf 480/370 lbf	PPI-370 or PPI-420

Thickness Comparison

PVC Weight (oz/yd ²)	PVC Thickness (mil)	Renegade Equivalent Weight (oz/yd ²)	Renegade Thickness (mil)	Renegade Product Line
10 oz/yd ²	13-14 mil	6 oz/yd ²	11 mil	PPI-200
12 oz/yd ²	16 mil	8 oz/yd ²	17 mil	PPI-270
14 oz/yd ²	16-18 mil	8 oz/yd ² or 11 oz/yd ²	17 mil 21 mil	PPI-270 or PPI-370
16 oz/yd ²	15-17 mil	11 oz/yd ² or 12.4 oz/yd ²	21 mil 23 mil	PPI-370 or PPI-420
18 oz/yd ²	21.3 mil	11 oz/yd ² or 12.4 oz/yd ²	21 mil 23 mil	PPI-370 or PPI-420

This guide is provided for informational purposes. Base fabric selection on application-specific testing and requirements.



Need help choosing your fabric?

Talk with our team about your current material and performance requirements.