

# Verdafresh™ MDO-PE

Verdafresh MDO-PE is an optimized printing substrate with outstanding clarity, stiffness, tensile strength, and exceptional barrier properties. The structure comprises machine-direction oriented high-density polyethylene and the Verdafresh barrier coating. The coating is compatible with various printing techniques and can be laminated with a PE sealant web to form a 98+% PE mono-material film structure. Verdafresh MDO-PE is suitable for products requiring high barrier packaging, such as snack bars and bakery mixes, and is especially ideal for thin-gauge applications.

## Physical Properties

Property	Test Method	Unit of Measure	Typical Value
<b>Gauge</b>	Caliper	mil	<b>Available 0.9-1.2</b>
<b>Haze</b>	D-1003	%	<b>9</b>
<b>Tensile Strength MD</b>	ASTM D882	psi	<b>30,350</b> <i>varies based on thickness</i>
<b>Tensile Strength TD</b>	ASTM D882	psi	<b>5,240</b> <i>varies based on thickness</i>
<b>Tear (MD)</b>	D-1922	g	<b>25</b> <i>varies based on thickness</i>
<b>Tear (TD)</b>	D-1922	g	<b>200</b> <i>varies based on thickness</i>
<b>MVTR</b>	ASTM F1249	g / 100 in <sup>2</sup> / 24hrs	<b>0.3</b>
<b>OTR @ 0% RH</b>	ASTM D3985	cc / 100 in <sup>2</sup> / 24hrs	<b>0.09</b>
<b>OTR @ 50% RH</b>	ASTM D3985	cc / 100 in <sup>2</sup> / 24hrs	<b>0.10</b>



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Purchasers of this film are permitted to display the Verdafresh "Recycle Ready Protective Packaging" logo on their packages.

