

Verdafresh™ HD-BOPE

Verdafresh HD-BOPE is an optimal wide-web printing substrate with excellent physical properties for recyclable, flexible packaging. It has high stiffness, superior heat resistance, dimensional stability, and ultra high oxygen barrier properties. The structure comprises biaxially 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 HD-BOPE is suitable for products requiring high barrier packaging, such as snack bars and bakery mixes, and is especially ideal for thin-gauge applications.

Commercial launch of this product is expected in Q1 2022.

Physical Properties

Property	Test Method	Unit of Measure	Typical Value
Gauge	Caliper	mil	Available 0.8, 1.0
COF	ISO8295		≤0.3
Tensile Strength MD	ASTM D882	psi	23,200 <i>varies based on thickness</i>
Tensile Strength TD	ASTM D882	psi	26,100 <i>varies based on thickness</i>
Thermal Shrinkage (MD)	120 deg C 5 min	%	≤4
Thermal Shrinkage (TD)	120 deg C 5 min	%	≤2
OTR @ 0% RH	ASTM D3985	cc / 100 in ² / 24hrs	0.02
OTR @ 50% RH	ASTM D3985	cc / 100 in ² / 24hrs	0.06



Additional license

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

