

VINPOL™ HD08065 Series

High Density Polyethylene

Melt Index: 8.0

Density: 0.965

VINPOL HD08065 Series is a homopolymer HDPE with high stiffness and a good balance of processability. Typical applications include cases, crates, totes, bins, and other articles requiring high stiffness. It is available in barefoot and UV stabilized versions. VINPOL HD08065 and HD08065U are compliant with FDA 21 CFR 177.1520 for food contact applications.

Resin Property	Typical Value	Units	Test Method
Melt Index, 190 °C/2.16kg	8	g/10 min	ASTM D-1238
Density	0.965	g/cm ³	ASTM D-792
Environmental Stress-Cracking Resistance (ESCR), 100% Igepal	3	hr	ASTM D-1693
Tensile Strength at Yield	4,600 (11)	psi (MPa)	ASTM D-638
Tensile Elongation at Yield	7	%	ASTM D-638
Flexural Modulus, 1% Secant	255,000 (1,760)	psi (MPa)	ASTM D-790
Flexural Modulus, 2% Secant	219,000 (1,510)	psi (MPa)	ASTM D-790
DTUL, 66psi, Unannealed	186 (86)	°F (°C)	ASTM D-648
Melting Temperature	275 (135)	°F (°C)	Supplier Method

<i>Suffix</i>	-	-U
<i>Additive</i>	none	UV

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