



Applications

- Flexible pvc compounds
- Vinyl plastisols

Key Attributes

- Enhanced plasticizer compatibility in PVC formulations, allowing for more robust formulations
- High efficiency, requiring reduced amounts of plasticizer

Product Description

Eastman VersaMax[™] Plus is a non-phthalate, general purpose solution that provides better efficiency, improved dry times, and lower fusion temperatures when compared to di-isononyl phthalate (DINP) and di-2-ethyhexyl phthalate (DEHP); and it can expand your formulation window. Providing comparable mechanical properties and improved processing parameters, VersaMax Plus is the ideal replacement for DEHP and DINP in dry-blend and plastisol applications.

Typical Properties

GeneralAcidity (wt%) 0.07 max. Color Pt-Co 20 max. Refractive Index $0.25 \circ \text{C}$ $@ 25 \circ \text{C}$ 1.493 Specific Gravity $0.02 \circ \text{C}$ $@ 20 \circ \text{C}$ 1.001 Flash Point $390 \circ \text{F} (199 \circ \text{C})$ Boiling Point $920 \circ \text{C}$ $@ 760 \text{ mm Hg}$ $> 626 \circ \text{F} (> 330 \circ \text{C})$ Freezing Pointa $< +3.2 \circ \text{F} (< -16 \circ \text{C})$ Viscosityb $0 \circ \text{CP} (40 \text{ mPa·s})$ Wt/Vol $40 \circ \text{CP} (40 \text{ mPa·s})$	Property	Typical Value, Units
Color Pt-Co 20 max. Refractive Index	General	
Refractive Index 1.493 @ 25°C 1.493 Specific Gravity 1.001 @ 20°C 1.001 Flash Point 390 °F (199 °C) Boiling Point 390 °F (199 °C) Boiling Point >626 °F (>330 °C) § 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	Acidity (wt%)	0.07 max.
@ 25°C1.493Specific Gravity @ 20°C1.001Flash Point Setaflash Closed Cup390 °F (199 °C)Boiling Point @ 760 mm Hg>626 °F (>330 °C)Freezing Pointa<+3.2 °F (<-16 °C)	Color Pt-Co	20 max.
Specific Gravity 1.001 @ 20°C 1.001 Flash Point 390 °F (199 °C) Boiling Point 390 °F (199 °C) Boiling Point >626 °F (>330 °C) @ 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	Refractive Index	
@ 20°C 1.001 Flash Point 390 °F (199 °C) Boiling Point 390 °F (199 °C) Boiling Point >626 °F (>330 °C) @ 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	@ 25°C	1.493
Flash Point 390 °F (199 °C) Boiling Point 0 760 mm Hg >626 °F (>330 °C) >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	Specific Gravity	
Setaflash Closed Cup 390 °F (199 °C) Boiling Point @ 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	@ 20°C	1.001
Boiling Point >626 °F (>330 °C) @ 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	Flash Point	
@ 760 mm Hg >626 °F (>330 °C) Freezing Point ^a <+3.2 °F (<-16 °C)	Setaflash Closed Cup	390 °F (199 °C)
Freezing Point ^a <+3.2 °F (<-16 °C)Viscosity ^b 40 cP (40 mPa·s)	Boiling Point	
Viscosity ^b 40 cP (40 mPa·s)	@ 760 mm Hg	>626 °F (>330 °C)
@ 25°C and 20 rpm, Brookfield 40 cP (40 mPa·s)	Freezing Point ^a	<+3.2 °F (<-16 °C)
	Viscosity ^b	
Wt/Vol	@ 25°C and 20 rpm, Brookfield	40 cP (40 mPa·s)
	Wt/Vol	
@ 20°C 8.35 lb/gal (1.00 kg/L)	@ 20°C	8.35 lb/gal (1.00 kg/L)

^aCirculating Cooling Bath method

^bLV Brookfield viscometer used with # 1 spindle

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