

PLASTHALL® TRIMELLITATE ALTERNATIVES FOR PVC

Global Trimellitic Anhydride (TMA) Supply Shortage

In early 2024, the only North American producer of Trimellitic Anhydride (TMA) ceased operations permanently, exacerbating an already constrained global supply.

Hallstar's Innovative Solution

To address this critical shortage, Hallstar has developed a high-performance alternative to standard TMA-derived products. Our innovative solution ensures reliability, performance and consistency, providing a strategic advantage for customers navigating the global supply disruptions.

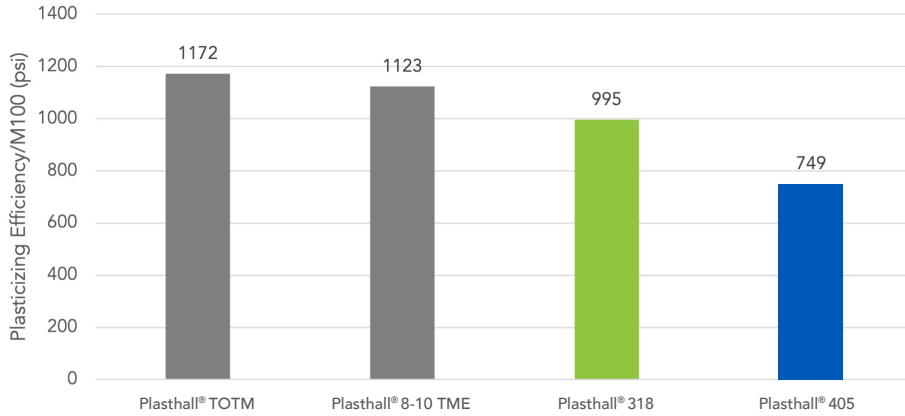
Plasthall® **318** and **405** are performance replacements to trimellitate esters designed using alternative raw materials.

Performance Properties

	Standard Trimellitites		Trimellitate Alternatives	
	Plasthall® TOTM	Plasthall® 8-10 TME	Plasthall® 318	Plasthall® 405
Stress (in psi)	1172	1123	995	749
Tensile	2359	2215	2272	2142
Glass Transition Temp (°C)	-22.9	-37.4	-39.9	-25
Wt Change @ 121° C	-0.1	0	-1.4	-3.6

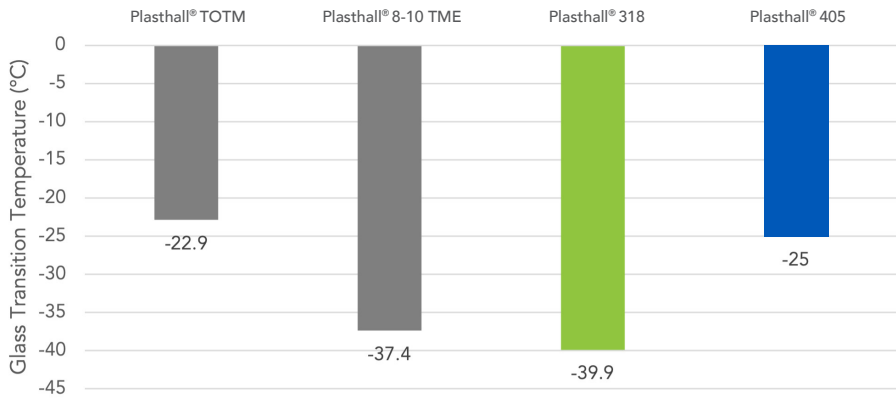


Plasticizing Efficiency in PVC



Note: Improved plasticizing efficiency (lower M100) using both Hallstar's Plasthall® 318 and 405 allows vinyl formulators greater flexibility in design

Glass Transition Temperature in PVC



Note: Hallstar's alternative esters match low temperature performance of standard trimellitate esters.



REQUEST A SAMPLE

Contact your Hallstar account executive

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