

PARAPLEX® A-7020

REDUCED FUSION TEMPERATURE OF PVC PLASTISOLS WITH ESTER PLASTICIZERS

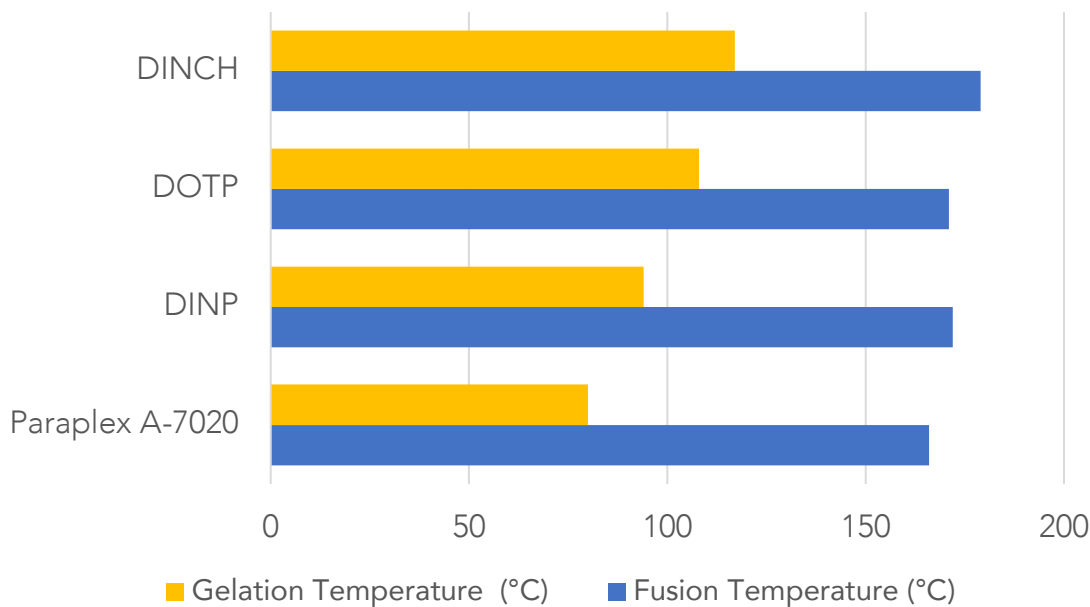
With a global drive for higher efficiency and lower energy consumption, PVC Plastisol formulators are being tasked with designing new products for low bake systems. To accomplish this, plastisols must be developed with lower gelation and fusion temperatures. Along with these new challenges, formulators must also ensure plasticizer permanence, migration and weight loss are factored in.

Hallstar has formulated Paraplex® A-7020, an ester plasticizer, to reduce gelation and fusion temperatures. A-7020 was created to displace regulated phthalate chemistries while improving upon other physical properties. A-7020 will provide the most benefit for applications requiring increased line speed and lower bake temperatures, and for companies with new sustainability goals.

Applications Where Hallstar Can Impact in Low Bake Plastisols:

Artificial Leather, Underbody Coating/Sealant, Dip Coating, Wall Covering, Screen Ink, Traffic Cone, Tarp

Gelation/Fusion Temperature



Product Specifications:

Property	UoM	Method	Limits		
			Qualitative	Minimum	Maximum
Appearance	-	VISUAL	Clear		
Acid Value	Mg OH/g	ASTM CD 3A-63	-	0.0	2.0
Color APHA	-	ASTM D-1209	-	0	200
Refractive Index @ 25 C°	-	AOCS D-1045	-	1.490	1.496
Moisture	%	ASTM E-203	-	0.00	0.10

Availability:

North America, Europe, South America, Asia



Hallstar is a designer and producer of monomeric and polyester plasticizers designed for polymer modification. Within thermoplastics, Hallstar has been at the forefront of ester technology, synthesizing new chemistries to meet next generation demands. The challenges Hallstar can impact include:

- Reduction of VOC
- Extraction Minimization
- Low Odor
- Printability Improvement
- Fogging Prevention

Technical Inquiries:

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