

Santicizer® Platinum P-1400

Plasticizer Product Profile

Santicizer® Platinum P-1400 is a proprietary, non-phthalate plasticizer designed for use in multiple polymer systems and applications. This material can be used in polymers systems including PVC, latex, polyurethane, and polysulfide to name a few. Santicizer® Platinum P-1400 can be used in many applications including foams, sealants, calendering, plastisols, extrusion and films. Santicizer® Platinum P-1400's primary benefits include faster fusion characteristics and high plasticizing efficiency while attaining performance properties that are similar or superior to phthalate plasticizers, but without the perceived concerns associated with phthalates.

Safety and Handling

Complete toxicity and handling information can be found on the Material Safety Data Sheet, which is available upon request.

Typical Properties

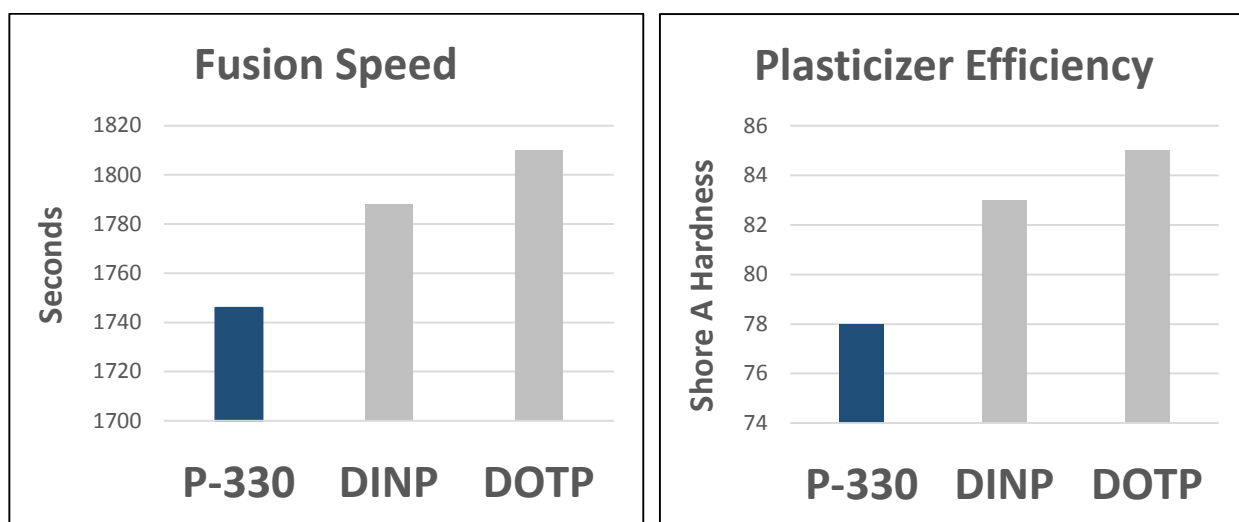
Acidity (meq/100gm.)	0.4 max.
Appearance	Clear oily liquid
Color (APHA)	100 max.
Moisture (by KF)	0.15% max.

Santicizer® Platinum P-330

Santicizer® Platinum P-330 is a non-phthalate, primary plasticizer with high performing product characteristics meant to outperform existing general purpose plasticizing alternatives. This plasticizer has some high solvating character to boost compatibility and plasticizing efficiency in multiple polymer systems. This product is highly recommended for PVC applications where a fast fusing benefit is observed.

- Performance advantages to comparative general purpose non-phthalates
- Good compatibility in multiple polymer systems for product flexibility
- High plasticizing efficiency to offer lower plasticizer loading
- Fast fusing capability in PVC systems

In a sample application (below) P-330 shows better performance characteristics to general purpose phthalate and non-phthalate plasticizers.



Santicizer® Platinum P-300

Santicizer® Platinum P-300 is a general purpose plasticizer for use in applications where phthalate plasticizers are undesirable due to regulatory concern. P-300 is a primary plasticizer that is effective in applications from flooring to sealants to foam and more. P-300 can be used in many PVC applications and has high compatibility in PVC systems.

Typical Properties:

Color (APHA)	<25
Specific gravity	0.986
Acid Value (mg KOH/g)	<0.05
Viscosity (@ 30° C)	63 cps
Boiling Point (@ 760 mm Hg)	400° C
Freezing Point	-67° C

P-300 can be used alone or in combination with other Platinum products as an offset to existing phthalate products. In a sample application (below) P-300 shows comparable performance characteristics to general purpose phthalate plasticizers.

	P-300	DOP	DINP
PVC Fusion Time (sec)	55	54	43
Volatility (1 day @ 87° C)	2.0	4.4	2.0
Cold Temp. Flex	-40	-37	-34
Shore A Hardness	78	75	77
Water Sensitivity (% loss)	0.17	0.17	.01

