Technical Datasheet

INEOS Composites

NEULON™ LP 90 Low Profile Additive

Description

Neulon LP 90 Resin is a high quality low profile additive resin useful where excellent control of polyester shrinkage is required. Neulon LP-90 Resin is effective with a broad range of polyester resins and forms a stable single phase solution when blended.

Applications and Use

Neulon LP 90 Resin is recommended for use in pultrusion, BMC and flat panel processes where surface smoothness, flatness and shrink control are important in the finished part.

Neulon LP 90 Resin is a very good SMC B-side carrier resin - as it does not chemically thicken with metallic oxides and hydroxides.

For pultrusion, a typical concentration of LP 90 Resin is 20% of the resin concentration.

Typical Liquid Resin Properties

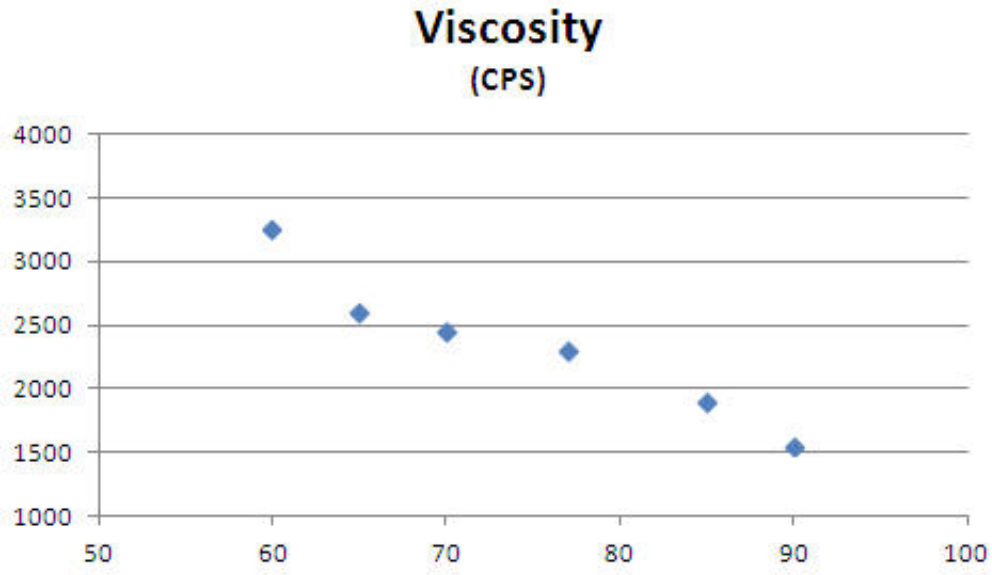
Property[1]	Value	Unit
Non-Volatiles Content	40	%
Viscosity, #4 @ 60 rpm	2300	mPas (cps)
Moisture	0.25	%
Specific Gravity	1.0	g/cc

[1] Properties are run at 25°C (77°F) unless otherwise stated. Properties are typical values.

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Neulon LP 90 Resin Viscosity vs. Temperature

Standard Package	190 Kg (485 lb) Net Weight in Steel Drum
Commercial Warranty	Three months from date of shipment, when stored in accordance with the storage conditions stated below.
Storage	Drums - Store at temperatures below 25°C (77°F). Storage life decreases with increasing storage temperature. Avoid exposure to heat such as direct sunlight or steam pipes. To avoid contamination of the product with water, do not store outdoors. Keep sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock. Bulk - Refer to INEOS Composites's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from INEOS Composites at 1-614-790-3333 or 1-800-523-6963.

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All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperature will extend product stability.

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which INEOS Composites assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of INEOS Composites, INEOS Composites makes no warranty or representation regarding the results which may be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

INEOS Composites requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.

More Information

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