

Indulin™ AT

Kraft pine lignin

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Description and typical applications

Indulin AT is a purified form of kraft pine lignin. It is completely free of all reducing sugars and is ideal for use in a wide range of polymeric applications where solid dispersants or adsorption properties are required.

Typical properties

Physical form	Free-flowing brown powder
Ash, % (on dry basis)	3
Bulk density, lb/ft ³ (kg/L)	Loose 26 Packed 32
Fire point, °C	198
Flash point, °C	176
Insolubles, % (warm 5% aqueous NaOH)	0.05
Lignin content, % (on dry basis)	97
Moisture, %	5
pH (15% aqueous, 25°C)	6.5
Specific gravity	1.3
Surface tension, mN/m (1% aqueous)	43

Typical properties

Benzene	Nil
Hexane	Nil
Methyl ethyl ketone	Partial
Methyl alcohol	Partial
Ethylene glycol	Complete
Dioxane	Complete

Shipping

Freight classification	Lignin pitch
Availability	45 lb (20.4 kg) net bags
Production site	Charleston, South Carolina, USA

Safety: Always refer to the Safety Data Sheet for detailed information on shipping, handling, storage, and use.

Important: The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of Ingevity. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

