

Optically Clear Adhesive Market : Industry Analysis & Opportunities-DataM Intelligence

The Global Optically Clear Adhesive Market is expected to grow at a high CAGR during the forecasting period (2021-2028).

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Market Overview

Optically clear adhesive (OCA) are obvious and uncolored adhesives that permit bonding of the whole floor place of a screen to the gadgets with no distortion display. Optical readability is a crucial component of these adhesives as it's far easy & excessive transparency is subsequently used in most important packages. It enables to enhance sturdiness, optical traits, adhesive strength, and extraordinary adhesion reliability, and excessive



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bonding power. It is found to bind show devices, touch panels, plastic, cowl lens, and among different optic substances like the number one sensor unit with each other to provide a clear visible look.

The optically clear adhesive has an extensive range of packages such as bonding optical film, cowl glass, cover plastic to flat panel presentations, electronic gadgets medical gadgets flat-screen CRTs, etc.



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Market Dynamics

The worldwide optically clean adhesive is pushed by a rising call for client electronics with developing net users and rising E-trade website sales around the globe. Optically clean adhesive affords dimensional balance, low shrinkage, and whitening resistance to the electronics devices along with mobile telephones, drugs, smartphones, computer systems, display displays of

clinical devices, television sets LCD screens, and so forth.

Rising sale of the consumer's electronics such as mobile phones, tablets, computers, televisions, etc

The marketplace is pushed with the aid of rising calls for state-of-the-art era-based smart gadgets, clever telephones, pills, smartphones, computers, display monitors of scientific gadgets, tv units, and LCD monitors. As in keeping with the International Monetary Fund Organization, telephone sales in 2019 reached around 1.37 million units globally, and extra than half of the world's population that is around more than five billion human beings have personal cell devices.

As the optically clean adhesive is used for the binding of the transparent layer in gadgets to offer safety against harsh chemical substances, damages, and scratches. It also improves viewability, readability, and assessment in both indoor and outside devices, mechanical, optical, and electric performance of the display module and tool

Rising number of sales of smart devices with the surge in the use of E-commerce websites due to the rising number of internet users around the globe

An increase within the adoption of the optically clear adhesive by way of the electronics devices production industries for presenting transparent bonding with growing E-trade website sales including from Flipkart, Amazon, and so forth drives the growth of the OCA marketplace. For instance, as in line with the UNCTAD in 2018, E-commerce sales reached around US\$ 25.6 trillion globally elevated by way of 7% from 2017 and over 1.4 billion human beings shopped online in 2018. The shopping protected customer electronics which includes clever telephones, tablets, televisions, LED screens, etc. It created a big call for the OCA used by the OEMs to fabricate and percent those gadgets.

Growing technological advancement around the globe as several leading players are launching novel electronic devices with considerably growing investment is to produce advanced products may create a huge opportunity for this market

Growing adoption of the superior era devices around the world as several leading gamers are launching novel digital devices with considerably growing funding for generating newly evolved products may additionally create a massive opportunity for the increase of the OCA market. For instance on 11th Sept 2018. Samsung has innovated the arena's first Optically Clear Adhesives for its foldable smartphones and panels.

Segment Analysis

By Resin Type

- Acrylics
- Polyvinyl Acetate
- Polyurethane
- Polypropylene
- Silicone

- Epoxy

- Others

By Thickness

- Less Than 1MM

- 1-2 MM

- 2-3 MM

- 3-4 MM

- 4-5 MM

- Others

By Substrate

- Metal

- Glass and ITO Glass

- Polyethylene Terephthalate (PET)

- Polymethyl Methacrylate (PMMA)

- Polycarbonate (PC)

- Others

By Application

- Mobile phones

- Tablet

- Laptops and Monitors

- Televisions

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Geographical Analysis

Asia-Pacific region holds the largest market share global optically clear adhesive market

The Asia-Pacific place is dominating the worldwide optically clean adhesive marketplace and accounted for the biggest market percentage in 2019, due to the presence of several production centers of the customer electronics, growing urban populace with growing client spending as well as growing authorities assist and initiative funding accompanied by North America and Europe.

As of 2019, China accounted for the very best percentage for the purchaser electronics production accompanied by means of India and Japan inside the Asia-Pacific area. For example, according to the India Brand Equity Foundation in 2019, the Indian equipment and client electronics (ACE) marketplace reached around US\$ 10.93 billion and is projected to develop by double to around US\$ 21.18 billion by means of 2025 that's typical because of growing clients spending and surge within the net penetration on this location which boosts the sale and in the long run OCA market. Similarly, North America s additionally developing at a quicker tempo owing presence of the superior generation gadgets adoption and the growing launch of the smart and wearable gadgets in this region observed by Europe.

Competitive Landscape

The optically clear adhesive market is moderately competitive with the presence of local as well as global companies. Some of the key players which are contributing to the growth of the market include Hitachi Chemical, HB Fuller, Nitto, Dymax Corporation, 3M, Norland Products, Henkel, LG Chem, Tesa, Dymax Corporation, Masterbond, Delo Industrial Adhesives Ltd and among others.

The major players are adopting several growth strategies such as product launches, acquisitions, and collaborations, which are contributing to the growth of the optically clear adhesive market globally. For instance, on 17th Aug 2020 Henkel Adhesive Technologies one of the market leaders of high-impact adhesives, sealants, and functional coatings solutions providers recently invested to establish a manufacturing facility for UV-curable acrylic pressure-sensitive adhesives (PSA) in Salisbury, North Carolina. Further on 4th Feb 2020, Henkel Adhesives Technology has invested around US\$ 59 million (Rs 400 crores) for its new manufacturing facility in Kurkumbh near Pune.

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