

Linear Low Density Polyethylene

Extrusion Coating

Product Description:

065E24A is a Linear Low Density Polyethylene manufactured using Nova Chemical's Sclairtech Solution Polymerization Technology with following features:

- Good processability
- Low neck-in
- Excellent adhesion
- Low gel content

Typical Properties:

Recommended Applications:

LLDPE 065E24A is recommended for following applications

- Extrusion coating on HDPE Raffia
- Base resin for XLPE compounds
- Heat & press lamination

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Tested Properties	Test Method	UOM	Values*
Resin Properties			
Melt Flow Index (190 °C & 2.16 Kg)	ASTM D 1238	gm/10 min	6.5
Density @ 23°C	ASTM D 1505	gm/cm ³	0.924
Mechanical Properties			
Tensile Strength @ Yield (50 mm/min)	ASTM D 638	MPa	14.5
Ultimate Tensile Strength (50 mm/min)	ASTM D 638	MPa	21.0
Elongation at Break(50 mm/min)	ASTM D 638	%	>950
Coefficient of Friction(Static/Dynamic)	ASTM D 1894		0.77/0.68
Vicat Softening Point	ASTM D 1525	°C	112

* Typical values not to be construed as specification limits. Values may change without any prior notice.

* Mechanical Properties tested on compression molded Type IV specimen as per ASTM D 638

Recommended Processing Temperature: 180– 250 °C

Packaging Information:

This material is packed and available in raffia bags with net content of 25.0 Kg only. The raffia bags used conforms to the minimum strength requirements of BIS, however, customer shall take due care while handling the bag. Prolonged exposure of these bags to sunlight may deteriorate the bag's performance and cause spillage and wastage. IOCL does not warranty loss of material due to poor material handling practices.

Regulatory Information:

LLDPE 065E24A shall meet "Specification for Polyethylene for safe use in contact with Foodstuff, Pharmaceuticals and Drinking water" as per IS: 10146-1982. It also confirms to the positive list of constituents as per IS: 10141-1982. The grade and Additives incorporated shall meet with FDA: CFR Title21, 177.1520, Olefin Polymers.

Storage & Handling:

Prevent LLDPE Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the storage temperature should not exceed 50°C. Non - compliance to these precautionary measures can lead to degradation

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