

POLYPACK

Gas Barrier Engineered Compound

Applications

Polypack nanocomposite compound is suitable for packaging films with an outstanding combination of stiffness, toughness, optical properties, excellent machinability and gas barrier. These unique properties lead to the production of thinner, stronger packaging films, compared to current market alternatives, ensuring product quality and integrity through to the consumer.

Physical Properties

Item	Typical Value	Unit	Test Method
Melt Flow Index (190°C/2.16kg)	0.7	g/10min	ISO 1133
Melt Flow Index (190°C/5kg)		g/10min	ISO 1133
Density	0.94	gr/cm ³	ASTM D792
Melting Point (DSC)	>120	°C	ISO 11357-3
Crystallization Temperature (DSC)	115	°C	ISO 11357-3
Heat Of Fusion (DSC)	151.8	j/gr	ISO 11357-3
Oxidative Induction Time (OIT)	>90	min	ISO 11357-6
Tensile Strength at Break	15.7	MPa	ASTM D638
Elongation at Break	270	%	ASTM D638
Tensile Strength at Yield	16.36	MPa	ASTM D638
Elongation at Yield	20	%	ASTM D638

❖ General

Polypack

- Recyclable
- Easy-to-handle and process
- Improved toughness, stiffness and optical properties
- Simplified formulation by displacing resin

❖ Packaging

Polypack is supplied in regular pellet form packed in 25kg bags. It should be stored in a dry place