



LDPE 2420E02 Technical Datasheet

Product Description:

LDPE 2420E02 is a low density density polyethylene. It is a homo polymer with high clarity suitable for usage in cast, fine shrink and high clarity films.

Features:

Property	Test method	Unit	value
Density	ISO 1183A	gr/ml	0.923±0.002
Melt flow index (190°C/2.16kg)	ISO 1133	gr/10min	1.9±0.02
Impact strength (23°C)	ASTM D4272	KJ/ M	26
Tear strength (TD)	ASTM D6383-2	KN/M	25
Tear strength (MD)	ASTM D6383-2	KN/ M	60
Strain at break (TD)	ISO 527	%	>500
Strain at break (MD)	ISO 527	%	>200
Yield stress (TD)	ISO 527	Mpa	11
Yield stress (MD)	ISO 527	Mpa	13
Coefficient of friction	ASTM D1894	-	1
Haze	ASTM 1003A	%	≤6.5
Gloss	ASTM D2457	%	55
Dart Drop Impact	ASTM 1709	g	>120
Fish Eye	Internal	No./m2	≤3

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated. - ISO test methods are the latest under the society's current procedures.

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter, please ensure safety glasses and appropriate safety apparel is worn.

Applications:

cast, fine shrink and high clarity films




Health, Safety and Storage Conditions


Polyethylene products (in pelletized or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet causes a change in the materials properties. The storage area should be dry and preferably not exceed 50 °C. Under cool, dry, dark conditions polyethylene resins are expected to maintain the original properties for at least 18 month. FM Plastics cannot be held responsible for diminishing qualities due to poor storage conditions, such as; color change, foul smell etc. Generally, it is considered best to process polyethylene resin within 6 months after delivery.


Packaging

Polyethylene resins are supplied in pellet form packed in 25kg bags on 1.375 kg pallets.

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