Product Description

FM LDPE 2420E02

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.

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

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.

Handling, Health & Safety 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.