

# Technical Data Sheet

## 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.

<b>Characteristic</b>	<b>Typical value</b>	<b>Unit</b>	<b>Test method</b>
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)	26	KJ/ M	ASTM D4272
Tear strength (TD)	25	KN/ M	ASTM D6383-2
Tear strength (MD)	60	KN/ M	ASTM D6383-2
Strain at break (TD)	>500	%	ISO 527
Strain at break (MD)	>200	%	ISO 527
Yield stress (TD)	11	Mpa	ISO 527
Yield stress (MD)	13	Mpa	ISO 527
Coefficient of friction	1	-	ASTM D1894
HAZE	≤6.5	%	ASTM 1003A
Gloss	55	%	ASTM D2457
Dart drop impact	>120	g	ASTM 1709
Fish eye	≤3	No./m2	Internal

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.

## *Handling, Health & Safety*

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.

## *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.



Bultweg 11  
8346 KA De Bult  
The Netherlands

Broekslagen 6  
8331 TJ Steenwijk  
The Netherlands

F: +31 521 52 20 84  
T: +31 521 52 00 41

[www.fmplastics.nl](http://www.fmplastics.nl)  
[info@fmplastics.nl](mailto:info@fmplastics.nl)