



GFL - Brief Overview



Gujarat Fluorochemicals Ltd (GFL): At glance



LEADING

Producer of
Fluoropolymers in
India

2000

Employees
Worldwide

20 %

5 Years CAGR
Growth

30 YEARS

of focused
expertise in
Fluorine
Chemistry

DAHEJ, GUJARAT, INDIA



Fluoropolymers,
Fluoroelastomers & Chemicals

RN, GUJARAT, INDIA



Fluorospecialties &
Refrigerants

JT HILLS, MOROCCO



Fluorspar Mining &
Beneficiation

ABOUT



Headquartered in Noida, India, Gujarat Fluorochemicals Limited (GFL) is an Indian Chemicals Company with over 30 years of expertise in Fluorine Chemistry

An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and SA 8000:2014 certified organisation

Established player in Fluoropolymers, Fluorospecialities, Refrigerants and Chemicals

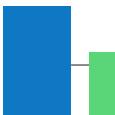
1989 - commencement of Company's first commercial operations with India's largest Refrigerant manufacturing unit at Ranjitnagar, Gujarat, India

2007- started operations at Dahej, Gujarat, India - manufacturing facility for Fluoropolymers

Vertically integrated Operations - from natural minerals to Fluoropolymers

Three manufacturing facilities in India, Fluorspar mine in Morocco, offices and warehouses in Europe and USA

Accredited by CRISIL, India's largest rating agency - AA (stable) rating for long term credit and A1+ rating for short term credit



OUR BUSINESS



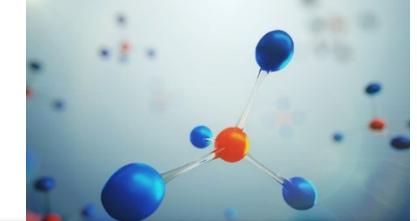
FLUOROPOLYMERS



FLUOROSPECIALTIES



REFRIGERANTS



CHEMICALS

PTFE
Launched in
2007

FKM
Launched in
2015

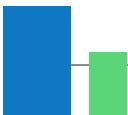
PFA
Launched in
2016

FEP
Launched in
2018

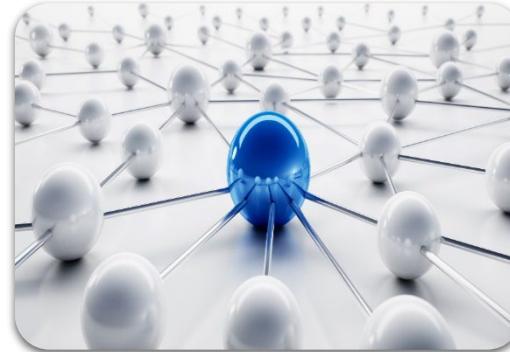
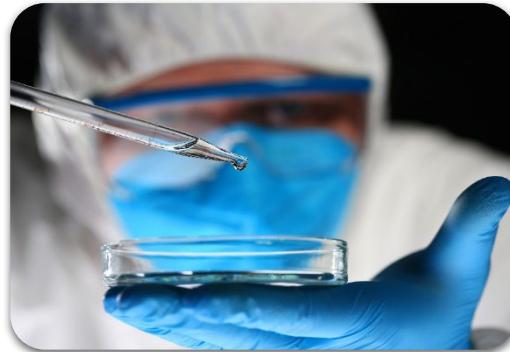
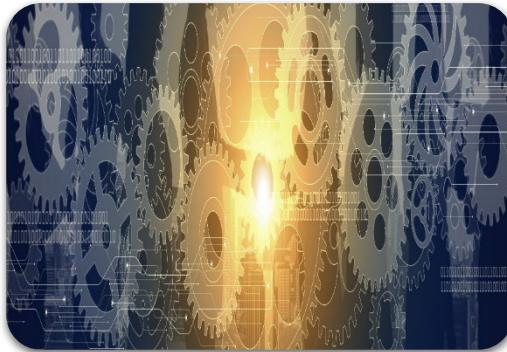
Fluoropolymer
Additives
Launched in
2018

PVDF
Launched in
2020

LiPF6
Launching in
2022



THE GFL ADVANTAGE



INTEGRATED OPERATIONS

Vertical integration from natural minerals to value added products- Fluoropolymers and Fluorospecialties

CUSTOMER ENGAGEMENT

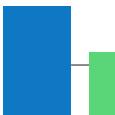
New application development through collaborative technical-engagement with customers from concept stage to end-use

R & D

State of the art R&D facilities leading to gradual expansion of Fluoropolymers portfolio

ESTABLISHED IN KEY MARKETS

Sustained presence as a reliable supplier across the globe

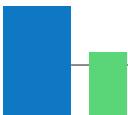


LIB Supply Chain Material Offerings



Sr. No.	Material Offered	Comments
1	Electrode Binder	<ul style="list-style-type: none">Inoflar™ PVDF binders for Li-ion Battery ElectrodesINOLUB™ PTFE Rheology Modifier as dry binderCommercially available
2	Lithium Hexafluorophosphate (LiPF₆) Salt	<ul style="list-style-type: none">Manufacture of Lithium Hexafluorophosphate LiPF₆ required as Electrolyte component in Lithium ion BatteriesCommercial Launch by 2022 Q4
3	Electrolyte Formulations	<ul style="list-style-type: none">Manufacture and supply, customized LiPF₆ based Electrolyte formulations as per Customer's recipe from our state of the art formulation facility in IndiaDevelopment under-way

- LIB Supply Chain factory at Gujarat, West India
- Scale-up expected to cater to Global and Indian market demand

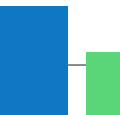


INOFLAR™ PVDF Portfolio



Inoflar™ Grade	Form	Melting Point (ASTM D3418)	Melt Viscosity (ASTM D3835)	Melt Flow rate (ASTM D1238)	MFR Load	Process/Application							
		°C	K Poise	g/10 min	kg	Compression	Transfer Molding	Injection Molding	Coating	Extrusion	Wire & Cable	Membranes	Li Battery
1005	Pellet	165 – 172	4 – 8	19 – 35	3.8		✓	✓		✓	✓		
1011	Pellet	165 – 172	8 - 12	10 – 18	5		✓	✓		✓	✓		
1020	Pellet	165 – 172	15 – 23	1.5 – 3	5	✓	✓	✓		✓	✓		
1125	Powder	165 – 172	23 – 29	2 – 6	12.5							✓	✓
1150	Powder	156 – 165	45 – 55	<0.2	21.6								✓
5125	Powder	165 - 170	23.5 – 29.5	2 – 6	12.5				✓				

Please refer product TDS(s) for detailed specifications



INOLUB™ PTFE Rheology Modifier- Portfolio

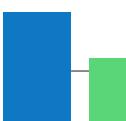


Product Features

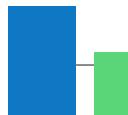
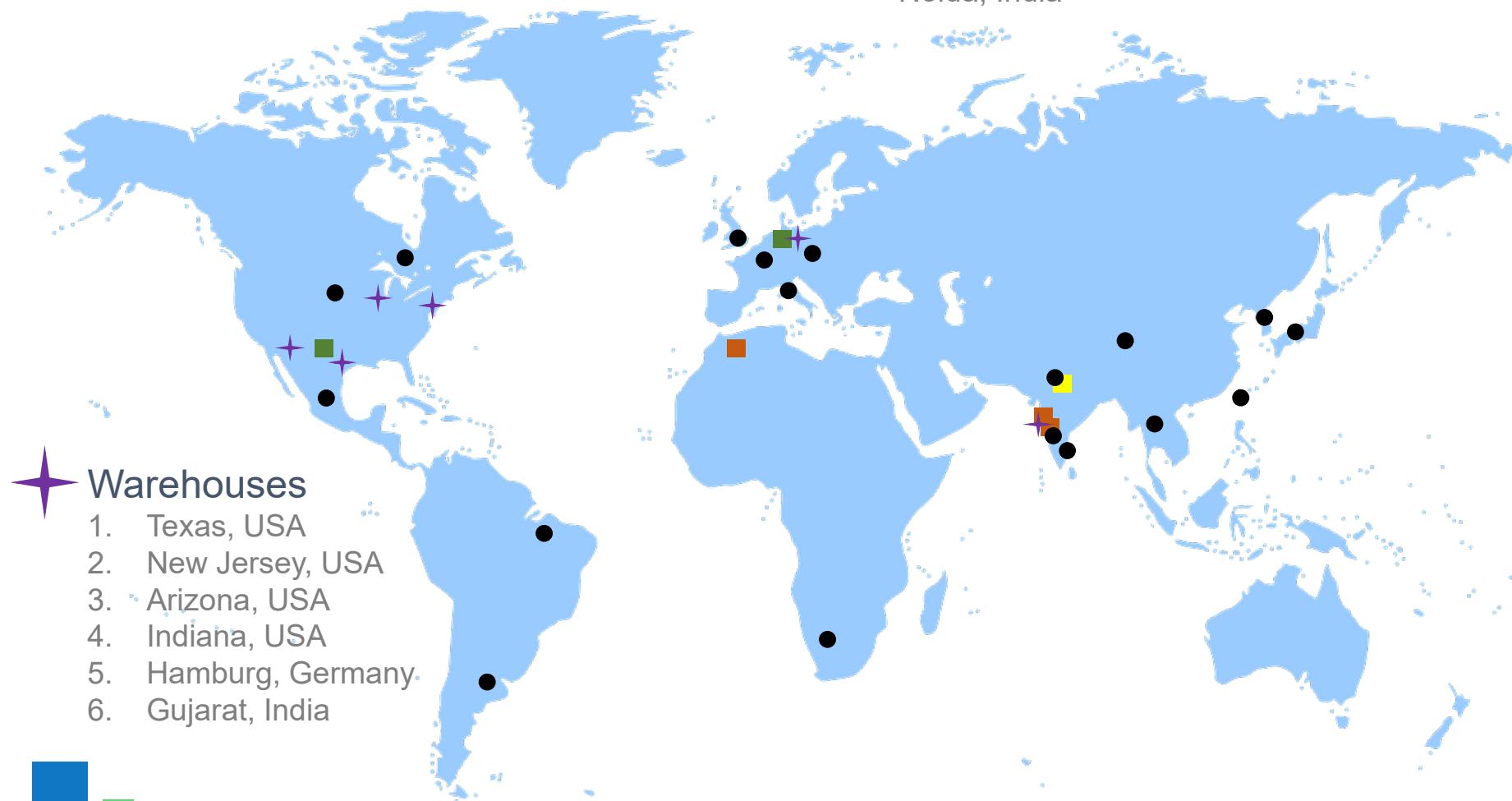
- High molecular weight and high crystallinity
- Good fibrillation properties
- High purity
- Easy to handle free flowing powder

Properties	Test Method	Unit	R740F	R703F	R741F
Bulk density	ASTM D 4895	g/L	500	500	500
Average particle size (d50)	ASTM D 4895	µm	525	525	525
Std. specific gravity (SSG)	ASTM D 4895	-	2.165	2.155	2.175

Note: These are typical properties and not to be used for specification purposes



GLOBAL PRESENCE





THANK YOU

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