



EUROPE'S DEDICATED MEDICAL POLYMER COMPOUNDER

IPC – Innovative Polymer Compounds

Company Overview 2024

Europe's Dedicated Medical Polymer Compounder



Agenda



- An introduction to IPC
- Why work with IPC
- Regulatory Support
- Materials & Additives



Introduction to IPC

- Founded in 2008
- IPC manufactures polymer compounds: A mixture of virgin polymer, pigments and functional additives supplied as pellets
- Our polymer compounds are used exclusively in the medical device industry
- Utilised in long-term implantable, short-term implantable as well as external devices
- Global customer base including Europe, the Middle East, Asia and the USA

Why IPC – Innovative Polymer Compounds



- ISO 13485 certified
 - More transparent, more detailed Certificates of Conformity (COC), Certificates of Analysis (COA) and Regulatory Declarations which are supplied in a more timely manner
- Wide range of ISO 10993 Polymers compounded including but not limited to ABS/PCABS, PA11/PA12, PC, PE, PEBA, PEEK, PEKK, PLA, PLA/PHA, PP, PPSU & TPU
- In house colour matching of ISO 10993 approved pigments for coloured compounds (Pantone, RAL, sample)

Why IPC – Innovative Polymer Compounds



- Minimum 2-year notification of change agreement with most suppliers. Local warehousing offers security of supply

- Short lead-times and flexible lot sizes, from 25kg (2kg for some polymers) to 5,000kg

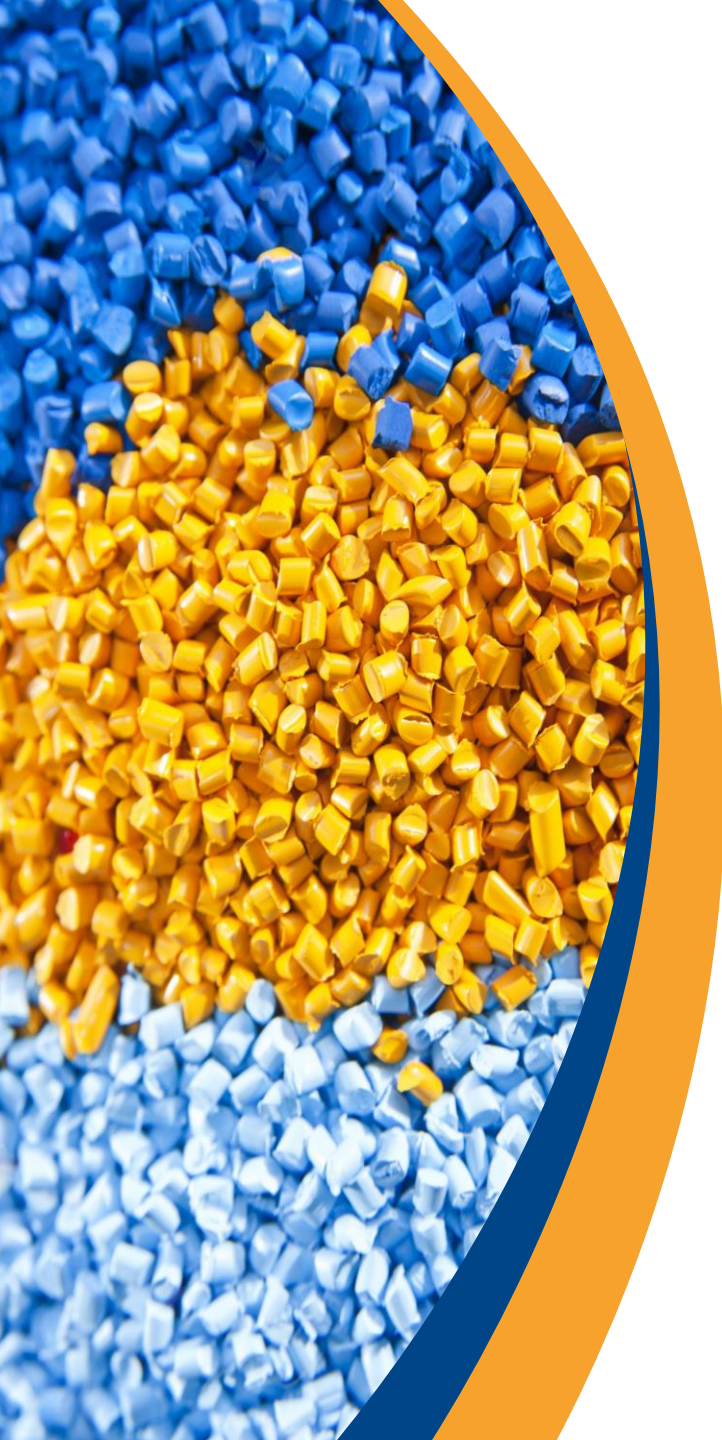
- With a flat management structure, we provide unparalleled customer service and technical support to the highest industry standards – we support you from concept through to production.

Regulatory Support



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Documentation – Compound information

- Required to ensure that detailed information about the application is captured early on in the process
- Allows for quicker quotation response
- Reduces the possibilities for errors to occur during quotation and manufacturing process
- Allows the customer to engage closely with IPC in new product development



Documentation – TDS & MSDS

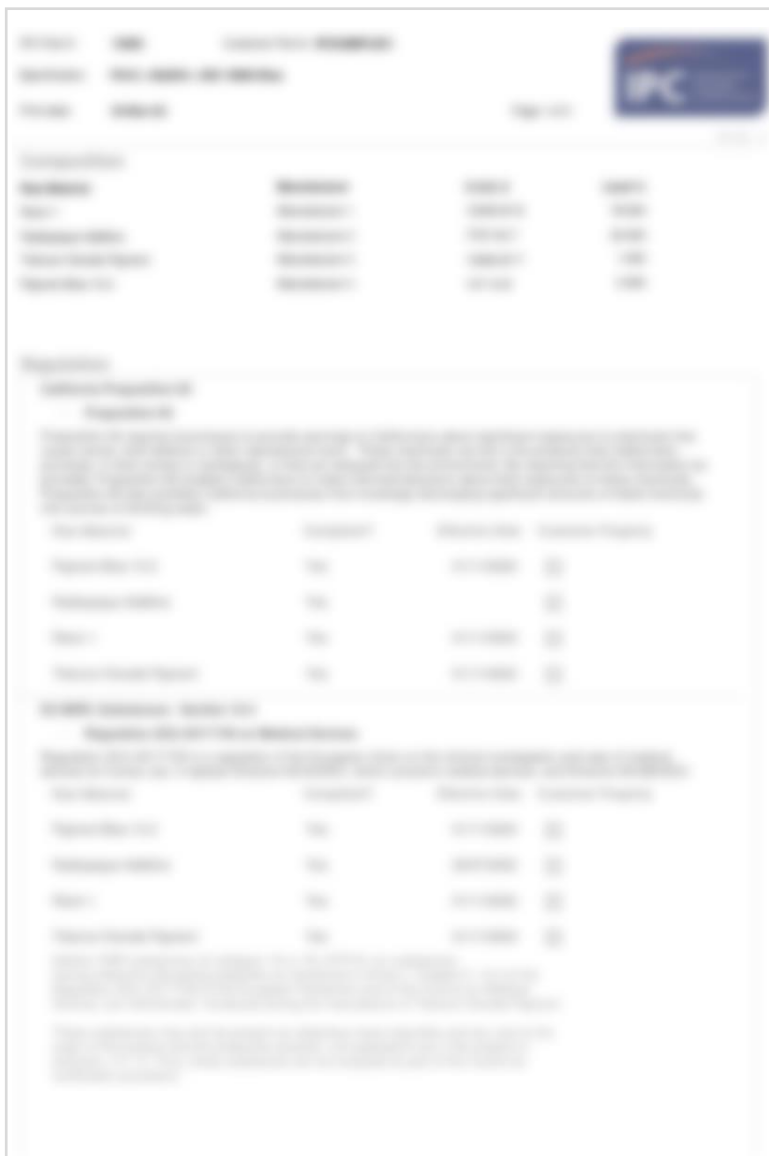


Documentation – COAs & COCs



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A blurred image of a Certificate of Analysis (COA) document. It features a header with the IPC logo and a table with multiple columns and rows of data, likely representing test results and specifications for a polymer compound.A blurred image of a Certificate of Composition (COC) document. It features a header with the IPC logo and a table with multiple columns and rows of data, likely representing the chemical composition and purity of a polymer compound.



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Materials & Additives



Materials & Additives – Polymers

Product Name	Polymer Type	Manufacturer
Purasorb Grades	L/DL Lactides	Corbion
ELIX Grades	ABS	Elix Polymers
Cycolac Grades	ABS	Sabic
Novodur Grades	ABS	Styrolution
Tritan Grades	Copolyester	Eastman
Bormed HDPE Grades	HDPE	Borealis
Marlex Grades	HDPE	Chevron Phillips Chemical Co.
DOW Grades	HDPE	Dow Chemical Company
Alathon Grades	HDPE	LyondellBasell
Purell HDPE Grades	HDPE	LyondellBasell
Vistamaxx Grades	ISO Prop random Ethy.	Exxon Mobil
Bormed LDPE Grades	LDPE	Borealis
Purell LDPE Grades	LDPE	LyondellBasell
Orevac Grades	LDPE	SK Functional Polymers
Dowlex Grades	LLDPE	Dow Chemical Company
Terlux Grades	MABS	INEOS - Styrolution
Trogamid PA Grades	PA PA CM12	Evonik Industries
Rilsan Grades	PA11	Arkema
Rilsamid Grades	PA12	Arkema

Materials & Additives – Polymers

Product Name	Polymer Type	Manufacturer
Grilamid Grades	PA12	EMS-Grivory
Vestamid CARE Grades	PA12	Evonik
Trogamid Grades	PA12	Evonik Industries
Grilflex Grades	PA12 - Elastomer	EMS-Grivory
Celanex Grades	PBT	Celanese Corp.
VALOX Grades	PBT/PC	SABIC
Makrolon Grades	PC	Covestro
Lexan Grades	PC	Sabic
Calibre Grades	PC	Trinseo
Bayblend Grades	PC/ABS	Covestro
Cycoloy Grades	PC/ABS	Sabic
Makroblend Grades	PC/PBT	Covestro
Pebax SA01 MED Grades	PEBA	Arkema
Vestamid Care ME Grades	PEBA	Evonik
KETASPIRE Grades	PEEK	SYENSQO
SKYGREEN Grades	PETG	SK Chemicals
Purasorb Grades	PLA	Corbion
Purell Plastomer Grades	Plastomer	LyondellBasell
Hostaform Grades	POM	Celanese Corp.
Bormed Grades	PP	Borealis

Materials & Additives – Polymers

Product Name	Polymer Type	Manufacturer
23R2A Grades	PP	Flint Hill Resources
Profax Grades	PP	LyondellBasell
Purell PP Grades	PP	LyondellBasell
Radel Grades	PPSU	SYENSQO
Veriva Grades	PPSU	SYENSQO
Udel Grades	PSU	SYENSQO
Kollidon Grades	PVP	BASF
ProvaMed Grades	TPE	Actega
Versaflex Grades	TPE	GLS Thermoplastic Elastomers
Thermolast M Grades	TPE	Kraiburg TPE
Meliflex Grades	TPE	Melitek
Medalist Grades	TPE	Teknor Apex
Texin Grades	TPU	Covestro
Carbothane Grades	TPU	Lubrizol Advanced Materials Inc.
Isoplast Grades	TPU	Lubrizol Advanced Materials Inc.
Pellethane Grades	TPU	Lubrizol Advanced Materials Inc.
Tecoflex Grades	TPU	Lubrizol Advanced Materials Inc.
Tecophilic Grades	TPU	Lubrizol Advanced Materials Inc.
Tecothane Grades	TPU	Lubrizol Advanced Materials Inc.
Elastollan Grades	TPU	BASF

Materials & Additives – Functional Additives

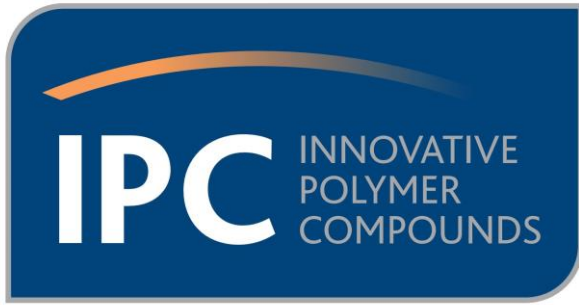
Additive Type
Antimicrobial
Antioxidant
ISO 10993 Pigments
Laser Marking Additives
Osseointegrative – Hydroxyapatite, Beta-TCP, etc.
Process Aids
Radiopacifiers – BaSO ₄ , BiO ₂ (CO ₃), BiClO, Tungsten, etc.
Reduced Coefficient of Friction
U.V. stabilizer
And many more..



Materials & Additives – ISO 10993 Pigments

Type	Shade*
Titanium Dioxide	
Pigment Green 7	
Pigment Yellow 183	
Pigment Blue 15.3	
Pigment Blue 15.1	
Pigment Violet 19	
Pigment Red 254	
Pigment Red 122	
Pigment Orange 64	
Pigment Blue 15.3	
Pigment Black 7	
Pigment Blue 29	
Pigment Red 202	
Pigment Yellow 191:1	





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Thank You!

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