



MEDICAL POLYMER SOLUTIONS



BIOCOMPATIBLE POLYMERS

RIGID MATERIALS		PROPERTIES			STERILISATION			SPECIAL FEATURES
PRODUCT GROUP	TRADE NAME	IMPACT STRENGTH	TEMPERATURE RESISTANCE	TRANSPARENCY	EtO	GAMMA	STEAM	
ABS	MAGNUM™ MED	••••	•••	No	✓	✓	No	Unique colour advantage ABS
COC	TOPAS®	•	•••••	•••••	✓	✓	(✓)	Optical, purity, water barrier
COC MODIFIED	TOPASBLEND®	••	•••••	No	N/A	N/A	✓	2500 autoclave cycles for medical devices
E-TPU	ISOPLAST®	•••••	•••	•••	✓	✓ ²	No	Flexibility, strength, chemical resistance and non-restricted for in-body applications
Modified PE	Orevac® 18300M	•••	••	No	✓	✓	No	Tie layer resin for catheter application
PA TRANSPARENT	RILSAN® CLEAR MED	•••	••••	•••••	✓	✓ ²	✓	Autoclave, low density, flexibility, bio-sourced grades available
PA11, PA12	RILSAN® MED, RILSAMID® MED	•••	••••	•	✓	✓	✓	Strength, burst pressure for balloons, bio-sourced grades available
PC	CALIBRE™, CALIBRE™ MEGARAD™	•••••	••••	•••••	✓	✓	✓ ³	Grades optimised for gamma sterilisation available
PC GLASS FIBRE	CALIBRE™	•••	••••	No	✓	✓	✓ ³	High stiffness
PC/ABS BLENDS	EMERGE™	••••	•••	No	✓	✓	No	Customised for home health care and hand held devices
PC/PET BLENDS	EMERGE™	••••	•••	No ¹	✓	✓	No	Customised for medical housings. Chemical resistance vs. cleaners & disinfectants
PE	REPSOL HEALTHCARE®	•••	••(•)	••	✓	✓	(✓)	Combination of stiffness & elasticity
PETG	SKYGREEN® S2008	•••••	••	•••••	✓	✓	No	High clarity with excellent chem. resistance & impact strength
PP	REPSOL HEALTHCARE®	••	•••	••(••)	✓	(✓)	✓	Durable, good & overall chemical resistance
PS	STYRON™ MED	•	••	•••••	✓	✓	No	Stiffness and transparency
PVDF	Kynar® MED	•••	••••	•	✓	✓	✓	Excellent chemical resistance, inertness and purity, low coefficient of friction, low biofilm growth, low permeability
SBC	ASAFLEX™	••••	••	••••	✓	✓	No	Combination of transparency & impact strength

() Available for some grades ¹Contact clear available upon request ² Colour shift ³ Limited no. of cycles

ELASTOMER MATERIALS		PROPERTIES				STERILISATION			SPECIAL FEATURES
PRODUCT GROUP	TRADE NAME	SHORE RANGE	TEMPERATURE RESISTANCE	ELONGATION	ABRASION RESISTANCE	EtO	GAMMA	STEAM	
Aliphatic TPU	TECOFLEX™	72A-80D	••	••••	••••	✓	✓	No	Fully customisable, non yellowing TPU
Aliphatic TPU	TECOPHILIC™	80A-60D	••	•••	•••	✓	✓	No	Customisable, water absorbing TPU
Aliphatic TPU	TECOBAX™	25D-45D	••	••••	•••	✓	✓	No	Non softening, polyether TPU
Aromatic TPU	PELLETHANE®	80A-75D	••	•••	••••	✓	✓ ¹	No	Classic brand polyether TPU
Aromatic TPU	TECOTHANE™	75A-75D	••	•••	••••	✓	✓ ¹	No	Fully customisable, polyether TPU
Aromatic TPU	TECOTHANE™ SOFT	62A-97A	••	•••	••	✓	✓ ¹	No	Hydrophobic, high resilience, special ester TPU
COC-E	TOPAS® ELASTOMER	90A	•	•••	•••••	✓	✓	No	Transparent, pure, high abrasion resistance
EVA	REPSOL HEALTHCARE®	80A-46D	••	•••	••	✓	✓	No	Resistance to aging & minus temperatures
TPE-A	PEBAX® MED	25D-75D	•••	••••	•••	✓	✓	(✓)	Torque transference, low kink, excellent cold temperature properties, high energy return
TPE-A	PEBAX® MV MED	40D	•••	••••	•••	✓	✓	✓	Hydrophilic, breathable, antistatic additive
TPU	CARBOTHANE™	75A-72D	••	•••	••••	✓	✓ ¹	No	Best biostability TPU, aromatic and aliphatic

() Available for some grades ¹ Colour shift

WHAT MAKES VELOX UNIQUE AS A RAW MATERIALS DISTRIBUTOR?

WE SUPPORT ALL PHASES OF YOUR PROJECT DEVELOPMENT FOR MEDICAL DEVICES SUCH AS:

- Technical support for polymer choice and processing.
- Binding confidentiality agreements, so that we can accompany you through the critical design phases.
- European stock for fast delivery of small and large quantities providing samples and commercial demands.
- You will receive full document support for biocompatibility (USP Class VI / ISO 10.993), Notification of Change statements and other technical / regulatory topics.

WE SUPPLY THESE MARKETS

With 25 years of technical and commercial expertise we are best-placed to understand your requirements for medical packaging, non-implantable and implantable medical devices, dental materials, orthopaedics, drug delivery systems, diagnostics and surgical equipment. **If needed, we have the solution for customer specific compounds through our ISO 13485 certified partner IPC.** IPC is experienced in compounding a wide range of polymers and additives, including radiopaque additives and FDA approved colour pigments.

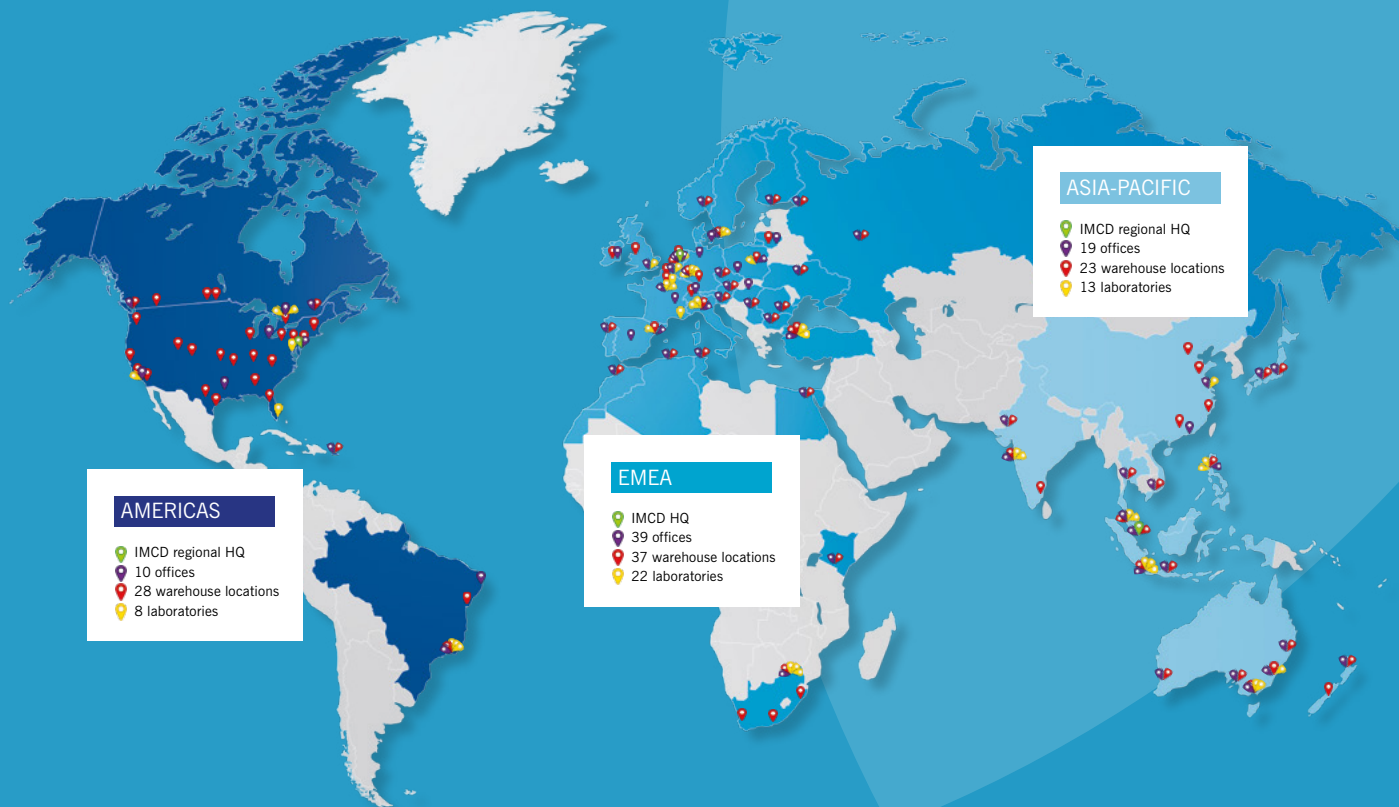
CAN'T FIND WHAT YOU ARE LOOKING FOR?

Contact us as we have access to customized solutions through our comprehensive network of solution providers in the polymer industry. Even if it's not in the product list above, give us a chance to help you.

LOCAL KNOWLEDGE. WORLDWIDE EXPERTISE.



VELOX IS PART OF THE GLOBAL IMCD NETWORK



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OUR SERVICES



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