# **HEALTHCARE SUPPLIER LINE CARD**













































# HEALTHCARE TRENDS & MARKET DYNAMICS

In recent years, there has been increased consumer interest in understanding and tracking health outcomes from a non-clinical remote location, at home or on the go. As a result, the healthcare market is innovating with advanced new products and technologies including medical wearables, drug delivery devices, labware & diagnostic test kits and remote patient monitoring.

# FORMERRA'S HEALTHCARE FOCUS AREAS

As these new healthcare innovations enter the market, and needs and priorities shift, our 30+ years of material expertise and regulatory experience can help get your device to market



safely and efficiently. We regularly study market drivers and trends, including those that influence key healthcare segments:

Catheters & Tubing
Drug Delivery Devices
Fluid Management
Labware & Diagnostics
Medical Equipment
Surgical Devices
Medical Device & Pharmaceutical Packaging
Wearable Devices & Remote Patient Monitoring

# **HOW CAN WE HELP YOU SUCCEED?**

When designing parts for the healthcare industry, you're challenged with developing robust and high-performing components, developing high-quality and reliable manufacturing and supply chain operations, adhering to regulatory and quality assurance standards and expediting time to market.

Our dedicated healthcare team is here to help:

- Provide product design assistance and material selection guidance, backed by extensive application knowledge and a broad portfolio of specialty medical materials
- Align technical and manufacturing support to accelerate time to market
- Optimize supply chain and logistics to simplify your business

PRODUCT FAMILY	SUPPLIER	STERILIZATION	REGULATORY	CLARITY
RIGID POLYMERS				
ABS	INEOS Styrolution™	Gamma/E Beam (may lose some impact), EtO (avoid repeated cycles)	USP Class VI, ISO 10993	Opaque
PMMA	Trinseo™	Gamma/E Beam (may discolor), EtO	USP Class VI, FDA	Transparent
Blends & Alloys	Avient™, Covestro™, Trinseo™, INEOS Styrolution™	Gamma/E Beam, EtO	USP Class VI, ISO 10993	Opaque/Transparent
Cellulosic	Eastman <sup>®</sup>	Gamma/E Beam, EtO	USP Class VI, ISO 10993	Transparent
EVA	DuPont <sup>™</sup> , Westlake <sup>™</sup>	Gamma/E Beam, EtO	USP Class VI, FDA	Opaque/Transparent
HDPE, LDPE, ULPE	Dow <sup>®</sup> , Chevron Phillips Chemical <sup>™</sup> , Westlake <sup>™</sup> , DuPont <sup>™</sup>	Gamma/E Beam, EtO	USP Class VI, FDA	Opaque/Translucent
HIPS & GPPS	Americas Styrenics <sup>™</sup>	Gamma/E Beam (may discolor), EtO (avoid repeated cycles)	USP Class VI, FDA	Transparent
Polyamides	Avient™, DuPont™	Gamma/E Beam (may discolor), EtO	USP Class VI, ISO 10993, FDA	Opaque
PBT, PET	Covestro™, DuPont™	Gamma/E Beam (may discolor), EtO	USP Class VI, ISO 10993, FDA	PBT – Opaque PET – Transparent
Copolyester	Eastman <sup>®</sup>	Gamma/E Beam (may discolor), EtO	USP Class VI, ISO 10993, FDA	PBT – Opaque PET – Transparent
PC	Covestro <sup>™</sup> , Trinseo <sup>™</sup>	Gamma/E Beam (may discolor), EtO, Autoclave (limited)	USP Class VI, ISO 10993	Transparent
POM	DuPont™	EtO	USP Class VI, ISO 10993, FDA	Opaque
PP	LyondellBasell™, INVISTA™, INEOS™, GEON® Performance Solutions, Pinnacle Polymers™	Gamma/E Beam (must be stabilized), EtO	USP Class VI, FDA	Translucent/ Transparent
PSU, PPSU	BASF™	Gamma/E Beam, EtO, Autoclave	USP Class VI, ISO 10993, FDA	Transparent
PVC	GEON® Performance Solutions	Gamma/E Beam (must be stabilized), EtO (must be out-gassed)	USP Class VI, FDA	Transparent
SAN	INEOS Styrolution™	Gamma/E Beam (color may be affected and may lose some impact), EtO (avoid repeated cycles)	ISO 10993	Transparent
SBC	INEOS Styrolution™	Gamma/E Beam, EtO	USP Class VI, FDA	Transparent
THERMOPLASTIC ELASTOMERS (TPES)				
ENG TPE	DuPont™	Gamma/E Beam, EtO	USP Class VI, ISO 10993, FDA	Opaque
fPVC	GEON® Performance Solutions	Gamma/E Beam (must be stabilized), EtO (must be out-gassed)	USP Class VI, FDA	Transparent
POE	Dow <sup>°</sup>	Gamma/E Beam, EtO	USP Class VI, FDA	Opaque/Transparent
SEBS	Avient™	Gamma/E Beam, EtO	USP Class VI, FDA	Transparent
TPU	Covestro <sup>™</sup>	Gamma/E Beam (may discolor), EtO	USP Class VI, ISO 10993, FDA	Transparent
TPV	Avient <sup>™</sup> , Celanese	Gamma/E Beam (may cause loss in physical properties), EtO	USP Class VI, FDA	Opaque
THERMOSET ELASTOMERS				
Silicone	DuPont <sup>™</sup>	Gamma, EtO, Autoclave	USP Class VI, ISO 10993, FDA	Transparent



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