



Vistamaxx™ performance polymers

Vistamaxx™ performance polymers can enhance the flexibility and toughness of medical devices and pharmaceutical packaging

As a long-term supplier in the healthcare and medical industry, ExxonMobil is committed to supplying high-quality polymer resins. Vistamaxx™ performance polymers are versatile polymer modifiers that can cost-effectively enhance the flexibility and toughness of polymers used for healthcare and medical applications. They can be used in practically all conversion processes.



Regulatory compliance
Products that meet rigid healthcare industry standards



Global technical support
Dedicated medical team expertise focused on ongoing collaboration for innovation



Supply reliability
Global manufacturing footprint bolstered by regional commercial support



Product consistency
Good manufacturing practices in place to ensure high product quality

Vistamaxx performance polymers improve flexibility and toughness of polymers used in pharmaceutical packaging and medical devices. Compatible with other polyolefin materials, they are semi-crystalline copolymers whose amorphous content can be tailored to meet specific needs.

Vistamaxx™ 6202MED, Vistamaxx™ 3020MED, Vistamaxx™ 3588MED grades are USP Class VI, USP661.1, ISO10993 certified.



Developing compliant products that meet rigid healthcare industry standards

FDA

ISO 10993

USP Class VI

USP 661.1

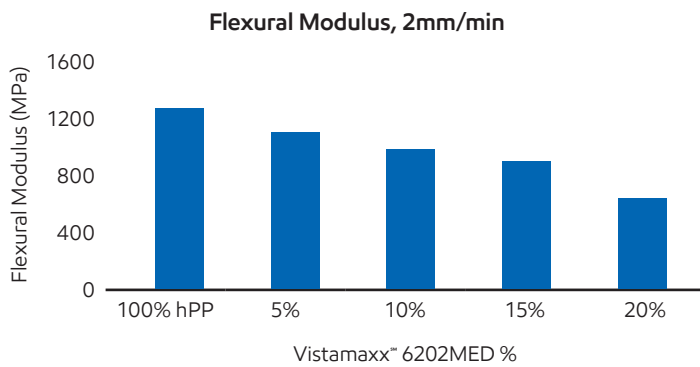
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Applications

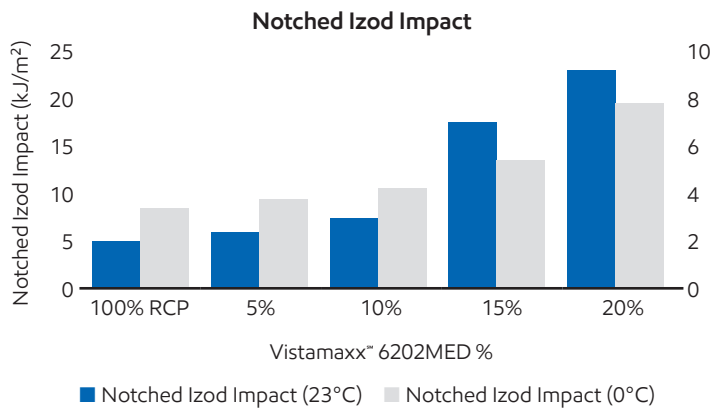
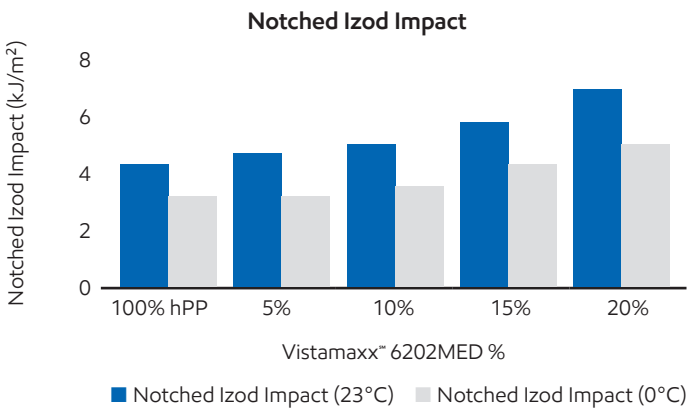
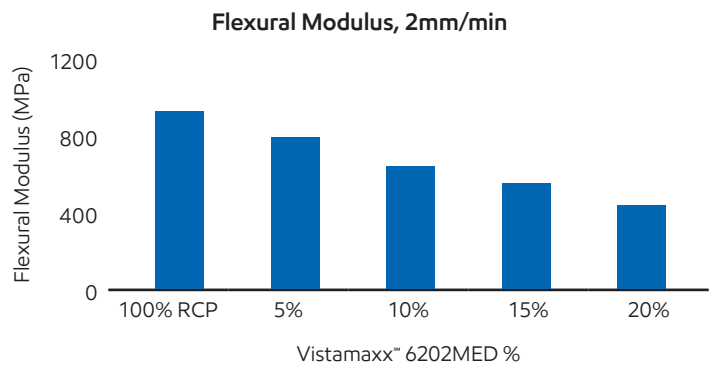
- Medical devices: syringes, filters and dosing systems
- Labware: trays and diagnostic tools
- Drug packaging and delivery systems: inhaling systems including aerosols and nasal inhalers, drug and vitamin tubes, containers and pre-filled syringes
- Medical device packaging: containers, caps and closures
- Other healthcare products made out of polymers which require impact performance, flexibility and elasticity

Vistamaxx™ 6202MED improves both 23°C room temperature and 0°C impact resistance when added to homo-polypropylene (hPP) and random co-polypropylene (RCP). It also demonstrates better flexibility while mechanical properties are maintained.

Vistamaxx improves flexibility and toughness of hPP*



Vistamaxx improves flexibility and toughness of RCP**



* Data traceability: R2304-013064 (hPP grade is PP6014MED)

** Data traceability: R2306-014383 (RCP grade is PP9074MED)

Typical values of Vistamaxx performance polymers grades in healthcare and medical applications

Grade	3588MED	3020MED	6202MED	Based on EM method
Ethylene content	4	11	15	%
MFR 230°C/2.16 kg	8	3	20	g/10 min
Density 23°C	0.889	0.874	0.862	g/cm ³
Hardness	50D	29D	64A	Shore D/A
Tensile strength @ Break	26.0 (3800)	>14.0 (>2100)	>5.5 (>800)	MPa (psi)
Elongation @ Break	637	>800	>800	%
Flex mod 1% Secant	400 (58000)	65 (9500)	13 (1900)	MPa (psi)
Tear strength Die C	127 (724)	65.1 (372)	32.0 (183)	kN/m (lbf/in)
Vicat softening point	103 (217)	67.0 (153)	45.2 (113)	°C (°F)

What's new: ExxonMobil Signature Polymers

All our polymers are now positioned under a single portfolio brand: Signature Polymers. The aim is to simplify our product architecture and naming to improve portfolio navigation for you. We would like to stress that our commitment to high quality products remains the same, it is names that change. Grade slate of Vistamaxx™ performance polymers will keep unchanged.

Want to see what's changed in our portfolio? Go to exxonmobilchemical.com/sptransform

Contact us for more information: exxonmobilchemical.com/vistamaxx

ExxonMobil
Signature Polymers

Bring your impossible



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