

Purell PE3420F

Redefining speed and performance

Searching for a low density polyethylene (LDPE) resin that delivers both cost-saving sterilization performance and superior properties? Then consider LyondellBasell's new *Purell* PE3420F LDPE for your next blow-fill-seal application.



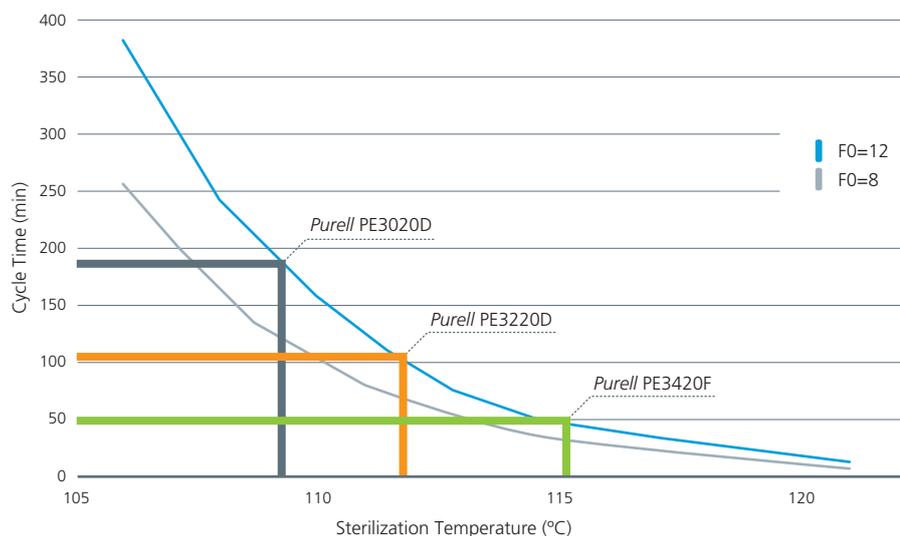
Benefit from the power of *Purell* PE3420F

- | Achieve higher sterilization temperatures due to the highest density ever attained by an LDPE grade
- | Save costs by reducing sterilization time by up to 75% compared to competitive LDPE grades
- | Obtain additional savings by reducing steam generation
- | Lower part weight through reduced wall thickness, leading to lower transportation and energy costs
- | Improve embossing due to good melt flow rate
- | Create innovative and versatile product designs

Purell PE3420F benefits

Higher density = higher sterilization temps

Through a confirmed sterilization temperature of 115°C, *Purell* PE3420F can offer producers shorter sterilization times and increased productivity.



Profit from the industry-leading healthcare applications concept

As a member of LyondellBasell's *Purell* family of resins used in healthcare applications, the new grade offers the *Purell* Medical Procedure cornerstones, including benefits such as consistency of formulation, continuity of supply, single sourcing and pharmacopoeia compliance. This unique industry offering is backed by more than 30 years of experience serving the needs of healthcare application producers, with eight years of supplying innovative *Purell* resins.

Good property balance

Despite its increased density, the melt flow rate of *Purell* PE3420F is very good; the high fluidity offers opportunities for quality embossing and new design options. Customer confidence in the sterilization process can be enhanced, as the autoclave temperature is typically not perfectly dispersed.

Purell PE3420F property balance

Although possessing an increased density, the product melt flow is still very good. The high fluidity supports good embossing and new design options.

		Purell PE3220D	Purell PE3420F
Density	[g/cm ³]	0.930	0.934*
MFR 2.16	[g/10min]	0.4	0.9
DSC Tm2	[°C]	117	120**
Vicat	[°C]	110	111
E-Modulus	[MPa]	430	520
Swell ratio	[%]	73	80

* Density specification 0.932–0.934g/cm³; ** Datasheet reports 119°C.

Source: LyondellBasell

For more information, visit www.purell-polymers.com or contact your local LyondellBasell representative.

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