



Bringing Easy Back to Seal-peel Packaging



Toppyl Resins Seal-peel Packaging

New Family of *Toppyl* Resins Based on Polybutene-1 Addresses Consumer Needs for Convenience and Functionality

Today's packaging must be practical, effective, safe and easy to open, without the need for a cutting instrument. That's why LyondellBasell developed *Toppyl* compounds based on polybutene-1 (PB-1).

Converters, packers and packaging designers rely on *Toppyl* resins to produce reliable, consistent and easy-to-open packaging systems for consumers. Compared to standard resins, *Toppyl* grades offer improved safety, convenience, reduced frustration and optimum packaging opening forces. *Toppyl* resins also reduce complexity for film converters by offering a simple, robust (controlled and consistent peel force) and ready-to-use solution for seal-peel applications.

Toppyl resins enable converters to employ a fully formulated product for the entire sealing layer, without the need for blending with polyethylene. These compounds reduce the complexity for film converters by offering a simple and robust solution for seal-peel applications.

Property Comparison

<i>Toppyl</i> Grade	MFR (g/10min)	Seal & peel to	Additivation	Extrusion Technology			
				Blown film	Cast film	Sheet	BOPP
SP 2000 B	2*	PE & itself	S, AB	x			
SP 2001 B	0.8*	PE & itself	S, AB	x			
SP 2101 C	8**	PP & itself	S, AB	x	x	x	x
SP 2102 C	6.5**	PP & itself	S, AB	x	x	x	x
SP 2103 C	6.5**	PP & itself		x	x	x	
SP 2300 F	2*	PET, PS & itself	S, AB	x	x		x

*MFR measured at 190°C / 2.16kg **MFR measured at 230°C / 2.16kg

S – Slip AB – Antiblock

EU and FDA food compliance information about these products can be found in separate product documentation.



TOPPYL RESINS ENABLE CONVERTERS TO EMPLOY A FULLY FORMULATED PRODUCT FOR THE ENTIRE SEALING LAYER, WITHOUT THE NEED FOR BLENDING WITH POLYETHYLENE

Qenos eXsource

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