Blown Film

EU Portfolio

Braskem

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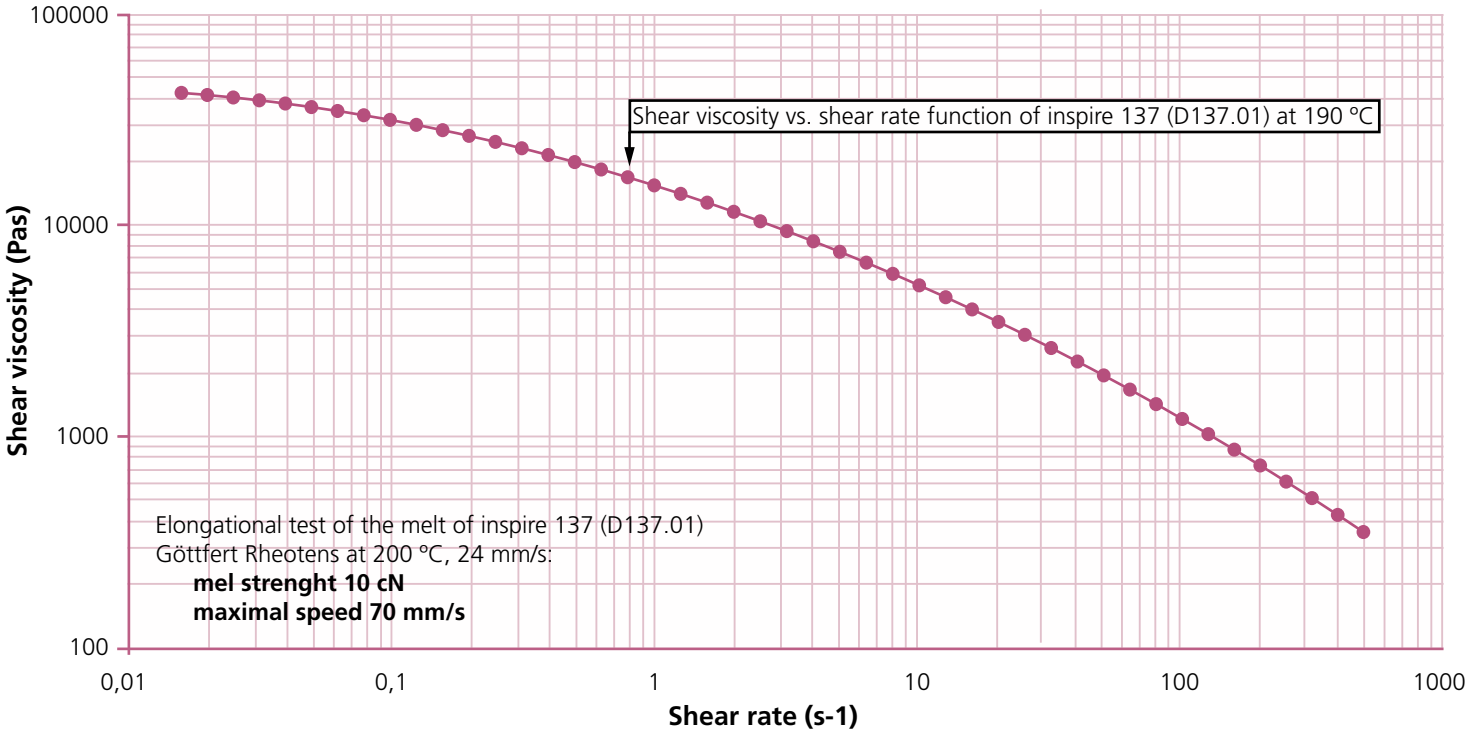
A Blown film can obtain better efficiency of resin properties because they are used individually in each layer. Thus, polyethylene and polypropylene resins can be processed side by side and allow the development of special structures that take advantage, for example, by combination with other polymers, such as Homopolymer PP, Random copolymer PP, barrier resins or certainly Polyethylene. The additive package is suitable for siliconisation treatment.

Portoflio Highlight: D137.01

D137.01 as the new Inspire137, has a high molecular weight heterophasic PP copolymer, it is mainly designed for blown film processing.

The polymer as such and it's formulation delivers an optimal balance of shear and elongational melt characteristics. Furthermore D137.01 has sufficient shearviscosity thinning and high meltstrength needed for efficient high quality film production.

High toughness over a wide temperatur range (from freezing up to sterilization) and good stiffness are the inherent mechanical properties of Inspire137 (D137.01).



Former grade	New grade	MFR	PP family	Density	Tensile Modulus	Tensile Strength at Yield	Tensile Strain at Yield	Tensile Strain at break	Charpy Notched Impact Strength at 23°C	Heat Deflection Temperature 0.45 MPa	Haze, 1mm plaque
Method		ISO 1133		ISO 1183	ISO 527-2/1A	ISO 527-2/1A	ISO 527-2/1A	ISO 527-2/1A	ISO 179-1/1eA	ISO 75-2/B	ASTM D1003
Units		g/10 min		g/cm³	MPa	MPa	%	%	kJ/m²	°C	%
Inspire 137	D137.01	0.8	Impact copolymer	0.905	1000	24	12	>50	40 (no break)	71	n.m.
		high molecular weight heterophasic PP copolymer ensures stable film production and supplies high toughness good stiffness and excellent sensorik									
Inspire 136	DC7056.05	3.5	Impact copolymer	0.905	1000	24	12	>50	10.000	68	n.m.
		medium molecular weight heterophasic PP copolymer offering a good stiffness to toughness balance									
Inspire 361	DR155.01	1.8	Random copolymer	0.905	900	26	12	>50	18 (hinge break)	68	10
		random PP copolymer delivers an optimum on high toughness, excellent sensorik and optical properties									
DR152.00	Inspire 152	2	Random copolymer	0.905	1100	29	11	>50	8.500	79	10
		random PP copolymer on higher stiffness level, very good taste and odor and transapareny									

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