



# **Properties**

Adding 3%-5% of Braskem PIB grants superb properties to the stretching process and, therefore, to polyethylene film (LLDPE). These include:

#### Resistance to tension

### **Excellent stretching**

High degree of tack and adhesion, even after stretching

Resistance to puncture and tear

### High gloss

Meets the requirements for usage involving indirect contact with food



## Adhesion and tack

Braskem PIB permeates through the film's layers as a result of time and temperature, which grants the film its tack. The main factors that impact on achieving the tack are:

The polymer's (LLDPE's) molecular structure

Crystallinity

Orientation

The lower the crystallinity and orientation the polyethylene has, the greater the PIB migration and, consequently, the higher the tack.







Stretch film grades

PIB	Viscosity cSt at 100°C	Average Molecular Weight
24	200 - 240	940
28	260 - 320	1050
32	640 - 720	1300

www.braskem.com