

# Braskem PE SBC818R50

低密度聚乙烯

Braskem America Inc.

## 供应商联系方式

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## 产品说明

Description: SBC818R50 is a low density polyethylene developed for coating process, it presents very good optical properties, low neck-in, good film stability, and good adhesion on porous substrate. Additives free. The minimum biobased content of this grade is 45%, determined according to ASTM D6866.

Applications: Extrusion coating. Injection of general parts and carrier for masterbatches.

## 基本信息

|  |                     |                   |               |
|--|---------------------|-------------------|---------------|
| 特性   | 光学性能<br>内缩量低        | 可更新资源<br>无 BPA    | 良好粘结性<br>无添加剂 |
| 用途   | 母料                  | 涂层应用              |               |
| 机构评级   | FDA 21 CFR 177.1520 |                   |               |
| 加工方法   | 挤出涂层                | 注射成型              |               |
| <b>物理性能</b>  | <b>额定值</b>          | <b>单位制</b>        | <b>测试方法</b>   |
| 密度   | 0.918               | g/cm <sup>3</sup> | ASTM D1505    |
| 熔流率(熔体流动速率) (190°C/2.16 kg)  | 8.1                 | g/10 min          | ASTM D1238    |
| <b>机械性能</b>  | <b>额定值</b>          | <b>单位制</b>        | <b>测试方法</b>   |
| 弯曲模量 - 1% 正割   | 70.0                | MPa               | ASTM D882     |
| <b>薄膜</b>  | <b>额定值</b>          | <b>单位制</b>        | <b>测试方法</b>   |
| 薄膜厚度 - 经测试   | 25                  | µm                |               |
| 抗张强度   |                     |                   | ASTM D882     |
| MD : 断裂, 25 µm,吹塑薄膜  | 25.0                | MPa               | ASTM D882     |
| TD : 断裂, 25 µm,吹塑薄膜  | 20.0                | MPa               | ASTM D882     |
| 伸长率  |                     |                   | ASTM D882     |
| MD : 断裂, 25 µm,吹塑薄膜  | 380                 | %                 | ASTM D882     |
| TD : 断裂, 25 µm,吹塑薄膜  | 870                 | %                 | ASTM D882     |
| 落锤冲击 <sup>1</sup> (25 µm, 吹塑薄膜)  | 64                  | g                 | ASTM D1709    |
| 埃尔曼多夫抗撕强度 - TD (25 µm, 吹塑薄膜)   | 56                  | g                 | ASTM D1922    |
| <b>光学性能</b>  | <b>额定值</b>          | <b>单位制</b>        | <b>测试方法</b>   |
| 光泽度 (60°, 吹塑薄膜)  | 76                  |                   | ASTM D2457    |
| 雾度 (吹塑薄膜)  | 8.0                 | %                 | ASTM D1003    |
| <b>补充信息</b>  | <b>额定值</b>          | <b>单位制</b>        | <b>测试方法</b>   |
| 生物基含量  | > 45                | %                 | ASTM D6866    |
| Blown Film Properties: 25 µm thick film, obtained from a 40 mm extruder, with blow up ratio of 2.2:1, die gap 1.8 mmRecommended process conditions:Extrusion coating<br>Extruder type: Screw W/D ratio 20:1, Compression ratio 3 to 4:1<br>Temperature profile on horizontal extruder: Barrel: from 150 to 340°C, Die and melt mass: from 300 to 340°C |                     |                   |               |

## 备注

1. F50