

PCC HD 5301 FB

High Density Polyethylene
PCC Plastics & Consultations Center

Message:

HD 5301 FB is a high density polyethylene grade with a broad molecular weight distribution. This grade has been especially developed for the production of very thin film with high tensile strength and stiffness.

Characteristics:

- Excellent drawdown capability
- Good extrudability
- High stiffness
- High tensile strength

Applications:

- Strong thin film
- Carrier bags
- Grocery sacks

| General Information | | | |
|---|------------------------------------|-------------------|-------------|
| Features | Good Drawdown | | |
| | Good Processability | | |
| | High Density | | |
| | High Stiffness | | |
| | High Tensile Strength | | |
| | Low Gel | | |
| | Wide Molecular Weight Distribution | | |
| Uses | Bags | | |
| | Film | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm ³ | ISO 1872-1 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.050 | g/10 min | ISO 1133 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 15 | µm | ISO 1184 |
| Tensile Strength | | | |
| MD : Yield | 32.0 | MPa | |
| TD : Yield | 29.0 | MPa | ISO 1184 |
| MD : Break | 57.0 | MPa | |
| TD : Break | 65.0 | MPa | |
| Tensile Elongation | | | ISO 1184 |
| MD : Break | 450 | % | |
| TD : Break | 400 | % | |
| Dart Drop Impact | 130 | g | ASTM D1709 |

| | | |
|-------------------------|----|------------|
| Elmendorf Tear Strength | | ASTM D1922 |
| MD : 25 μm | 20 | g |
| TD : 25 μm | 28 | g |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

