# Braskem PE IA59

High Density Polyethylene

Braskem IDESA

## Message:

IA59 is a High Density Polyethylene, narrow molecular weight homopolymer, produced by solution process for injection molding applications. It offers high processability and low warpage.
Applications:
Cases, pails, food and general purpose containers for indoor applications.
Process:
Injection Molding.

| General Information | | | |
|---|---|---|---|
| Features | Low warpage<br>Homopolymer<br>Workability, good<br>General<br>Narrow molecular weight distribution | | |
| Uses | Container<br>Food container<br>General<br>Barrel | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Specific Gravity | 0.960 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.3 | g/10 min | ASTM D1238 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore D, Compression Molded) | 60 | | ASTM D2240 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength | | | ASTM D638 |
| Yield, molding | 28.0 | MPa | ASTM D638 |
| Fracture, molding | 15.0 | MPa | ASTM D638 |
| Flexural Modulus - 1% Secant (Compression Molded) | 1250 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (Compression Molded) | 75 | J/m | ASTM D256 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |

| | | | |
|---|---|---|---|
| Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded) | 72.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 129 | °C | ASTM D1525 [1] |

| NOTE | |
|---|---|
| 1. | 压 力1 (10N) |



## 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