



## Technical Datasheet: PE 52505

### Product Description:

PE52505 is a High Density polyethylene copolymer product. It can be processed by injection.

### Applications:

- Containers

### Typical data:

| Property   | Test method | Unit              | value          |
|--|-------------|-------------------|----------------|
| Density  | ASTM D1505  | g/cm <sup>3</sup> | 0.950 to 0.954 |
| Melt Mass-Flow Rate(MFR)(190°C/2.16 kg)                                  | ASTM D1238  | g/10min           | 4.0 to 6.0     |
| Tensile strength<br>Yield, Compression Molded<br>Break, 25µm, Blown Film | ASTM D 638  | Mpa<br>Mpa        | >27.0<br>>18.0 |
| Flexural modulus (Compression molded)                                    | ASTM D790   | MPa               | >1200          |
| Notched Izod Impact (23 °C)  | ASTM D256A  | J/m               | >55            |
| Deflection temperature under load 1.8 MPa, Unannealed                    | ASTM D648   | °C                | >82.0          |
| Vicat Softening Temperature  | ASTM D1525  | °C                | >124           |