



- Products

Business

Application

Product Line

Corporate Profile

Global Network
- Chemicals

Construction Materials

Machinery

# POLYETHYLENE C410

Print

UBE POLYETHYLENE (HP-LDPE)

- Properties
- Additives
- Features
- Applications

## Properties

| Item                     | Unit              | Nominal value | Test method |
|--------------------------|-------------------|---------------|-------------|
| MFR                      | g/10min           | 3.5           | ASTM D1238  |
| Density                  | kg/m <sup>3</sup> | 918           | ASTM D1505  |
| Melting point            | °C                | 108           | UBE method  |
| Tensile strength         | MPa               | 14            | ASTM D638   |
| Tensile elongation       | %                 | 500           | ASTM D638   |
| Flexural strength(Olsen) | MPa               | 140           | ASTM D747   |
| Hardness                 | (HDD)             | 48            | ASTM D2240  |
| Vicat softening point    | °C                | 89            | ASTM D1525  |
| Brittle temperature      | °C                | <-75          | ASTM D746   |

- \* These values are typical properties and not to be considered as specifications.
- \* Specimens are prepared from compression-molded sheets.

## Additives

- Additive-free

## Features

- Toughness

## Applications

- Extrusion coating & lamination
- Foam