

TECHNICAL DATA SHEET

HDPE (PE-HD)

Material code: HDPE

Tough, chemical- and UV-resistant, weldable and food-safe. The workhorse for tanks, marine and outdoor parts on a budget.

COMPARATIVE PROPERTIES

|                         |                        |      |
|-------------------------|------------------------|------|
| Impact resistance       | <div><div></div></div> | 8/10 |
| Chemical resistance     | <div><div></div></div> | 9/10 |
| UV / weather resistance | <div><div></div></div> | 8/10 |
| Heat resistance         | <div><div></div></div> | 6/10 |
| Machinability           | <div><div></div></div> | 7/10 |
| Optical clarity         | <div><div></div></div> | 1/10 |

KEY FACTS

|                           |            |
|---------------------------|------------|
| Max service temp          | 80 °C      |
| Density                   | 0.96 g/cm³ |
| Weight class              | Medium     |
| Cost tier                 | Budget     |
| Food-safe grade available | Yes        |
| Weldable                  | Yes        |

TYPICAL APPLICATIONS

- Tanks
- Pipes
- Cutting boards
- Marine

This is a Technical Data Sheet, not a Safety Data Sheet (SDS). Property ratings are indicative comparative values for material selection only and are not guaranteed engineering figures — confirm critical properties against the manufacturer's data before design. For handling, storage and hazard information, refer to the manufacturer's SDS. Grades, colours and thicknesses vary; contact us to confirm suitability for your application.