

TECHNICAL DATA SHEET

Playground HDPE (Simona)

Material code: PLAYGROUND

UV-stabilised textured HDPE engineered for outdoor and playground use — colourfast, graffiti-resistant and weatherproof.

COMPARATIVE PROPERTIES

Impact resistance		8/10
Chemical resistance		9/10
UV / weather resistance		9/10
Heat resistance		6/10
Machinability		7/10
Optical clarity		1/10

KEY FACTS

Max service temp	80 °C
Density	0.95 g/cm³
Weight class	Medium
Cost tier	Mid-Range
Food-safe grade available	Yes
Weldable	Yes

TYPICAL APPLICATIONS

- Playground panels
- Outdoor furniture
- Marine
- Signage

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.