

General

Material Properties	Data and values	Standard
Material description	HDPE Playtec® (High Density Polyethylene)	
Material thickness and tolerances	3 - 20 mm	ISO 2768-m
Vulcanization method	Extruded sheet	
Temperature range	-40 °C / +80 °C	
Specific gravity	0.95 g/cm ³	ISO 1183
Hardness	Shore D 60 – 65	ISO 868
Water absorption	< 0.01 %	ISO 62
Tensile strength	20 – 23 MPa	ISO 527
Elongation at break	> 500 %	ISO 527

Resistance

Type	Degree of resistance
Water and moisture	Excellent
Diluted acids and alkalis	Excellent
Concentrated acids and bases	Good
Oils and greases	Good
UV and weather resistance	Good (Playtec® stabilized)
Cleaning agents	Excellent