



HDPE PLAATMATERIAAL High Density Polyethyleen



DRENTHEN
Hout- en
konstruktiebedrijf

ROND-, BOUW
en TUINHOUT
Div. KLIM- en
SPEELTOESTELLEN

HPDE introduction

Tisanos HDPE sheets are environmentally friendly, fully recyclable and a very good substitute for wood. HDPE sheets practically do not need maintenance. When working with multiple layers of color all kinds of figures, texts or motifs are possible.

Lifespan:

Tisanos HDPE sheets are UV stabilized.
The sheets are produced for both indoor and outdoor use and are a long time colorfast.

Sustainability:

Unlike other materials, HPDE does not rot or splinter. The sheets do not absorb water and graffiti attaches very bad. If cleaning is needed just use water.

Cost savings:

The sheets are colored through and through, the use of paint is not necessary., so no long pre-treatment of the sheets.

Scope:

Playtool equipment
Wood replacement (in average)
Sportförföring
Artificial ice skating
Furniture
food processing industry
Construction building
Noise reduction

Benefits

Very good chemical resistance
UV and ozone resistant
Anti graffiti
Color stabile
Easy processing
Working with multiple color layers, it is easy to create figures, text or shapes.
Extremely strong
Food grade
Fire proof
International standard
No use of plasticizer



HPDE program standard sheets

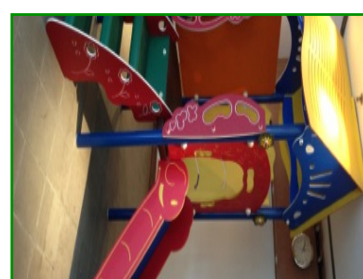
measurements [mm]	standard colors	multi color
1.220 x 2.440 x 8	black, white, yellow, red, green, orange, beige	max. 5 colors
1.220 x 2.440 x 10	“	
1.220 x 2.440 x 12	“	
1.220 x 2.440 x 15	“	
1.220 x 2.440 x 18	“	
1.220 x 2.440 x 25	“	



Our sheets have an orange skin structure, smooth skin on request available.

The above color combinations are possible, ask for our standard color sheets.
We can practically produce all shapes, sizes texts or custom made products including (assembly).
Send your requirements by email to your dealer.

HDPE examples. possibilities



HDPE material is widely used to make playtool equipment , the main reasons: no maintenance, easy to clean, the material does not splinter or rot, long life, etc.

HPDE text and name plates

RECEPTION →

SAUNA →

LAVATORY →

NO ADMITTANCE



**HIGH VOLTAGE
DANGER**



ask for our standard text program

By using HPDE text boards use everything looks much clearer and more professional. A one-time investment.

HDPE Product features

TEST	Result	Test method
Tensile strenght, Mpa	23,8	ASTM D638
elongation at break, %	610	ASTM D638
flexural strength, Mpa	26	ASTM D790
flexural modulus, Mpa	994	ASTM D790
Density, g / cm ³	0,96	ASTM D792
Water absorption, %	0,01	ASTM D570
Hardness, Shore D	64	ASTM D2240
Vicat processing point, ° C	86	ASTM 1525
heat distortion temperature ° C	100	ASTM D648
Izod impact strength, J/m	104	ASTM D256
melt flow, g / 10min.	0,8	ASTM D1238
melt temperature ° C	131	MS ISO 11357-3

Aantekeningen:



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