



# Polystone® plus Trovidur®

## Thermoplastics

### PE / PP / PVC / PVDF

#### Trovidur® Werkstoffe

Bezeichnung	Markenname
PVC-U extrudiert	<a href="#">Trovidur® EN</a>
	<a href="#">Trovidur® EP</a>
	<a href="#">Trovidur® EC</a>
	<a href="#">Trovidur® ES</a>
	<a href="#">Trovidur® ESA-D</a>
	<a href="#">Trovidur® ESV</a>
	<a href="#">Trovidur® EA</a>
	<a href="#">Trovidur® ET</a>
PVC-U gepresst	<a href="#">Trovidur® NL</a>
	<a href="#">Trovidur® PN</a>
	<a href="#">Trovidur® PHS 15</a>
	<a href="#">Trovidur® PHS 25</a>
PVC-C	<a href="#">Trovidur® PHT</a>
PVC-P	<a href="#">Trovidur® W</a>
PVC-Hartschaum	<a href="#">Trovitex®</a>
	<a href="#">Trovitex® 7</a>
PVC Sonderqualitäten	<a href="#">Trovidur® EC-HI</a>
	<a href="#">Trovidur® EC-UV</a>
	<a href="#">Trovidur® EN-W</a>
	<a href="#">Trovidur® EN-F</a>
	<a href="#">Trovidur® EV</a>
	<a href="#">Astralon G</a>
	<a href="#">Trobond®</a> <a href="#">Astrawood®</a>



#### Trovidur® EN (PVC-U extrudiert)

Discription	Standard colours
rigid PVC sheets unplasticised unfilled	grey, red, orange, green, white, ivory, black

#### Characteristics

- normal impact strength
- high resistance to acids, lyes and salt solutions
- very good electrical isolation features
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding



#### Trovidur® EP (PVC-U extrudiert)

Discription	Standard colours
rigid PVC sheets unplasticised unfilled	grey

#### Characteristics

- normal impact strength
- corrosion and chemical resistance
- very good electrical insulation properties
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding



**Trovidur® ES**  
(PVC-U extrudiert)**Discription**

rigid PVC sheets  
unplasticised  
unfilled

**Standard colours**

grey, black

**Characteristics**

- high impact strength
- good vacuum forming features
- high stability to light and weather
- colour white for outside use
- coloured for inside use
- surface smooth and shining
- good features for printing
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding

**Trovidur® ESA-D**  
(PVC-U extrudiert)**Discription**

rigid PVC sheets  
unplasticised  
with superior  
impact strenght

**Standard colours**

white, black

**Characteristics**

- uniform and smooth surface for a very good colour adhesion and clear print
- superior impact strength, high low temperature impact strength
- high stability to light and weather
- hohe Licht- und Wetterbeständigkeit
- colour white for outside use
- coloured for inside use
- surface with a delicate satin finish
- superior feature for printing
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding

**Trovidur® ET**  
(PVC-U extrudiert)**Discription**

rigid PVC sheets  
unplasticised  
crystal-clear

**Standard colours**

transparent

**Characteristics**

- high permeability
- low flammability, self-extinguishing after withdrawal of flame
- low water absorption
- good chemical resistance
- very good electrical insulation properties
- unproblematic manufacturing by welding, heated forming, bonding
- suitable for printing

**Trovidur® EV**  
(PVC-U extrudiert)**Discription**

rigid PVC sheets  
unplasticised

**Standard colours**

further information about this material on request

superior impact strength

#### Characteristics

- high impact strength
- good vacuum forming features, very large extent of stretching on shaping at heated forming
- high quality surface after forming
- high stability to light and weather (colour white)
- suitable for printing
- unproblematic manufacturing by welding, heated forming, bonding



#### Trovidur® EN-W (PVC-U extrudiert)

##### Description

rigid PVC sheets  
unplasticised  
unfilled

##### Standard colours

further information about this material on request

#### Characteristics

- corresponds to the KTW recommendations for the drinking water sector
- normal impact strength
- very good electrical insulation properties
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding



#### Trovidur® EN-F (PVC-U extrudiert)

##### Description

rigid PVC sheets  
unplasticised

##### Standard colours

further information about this material on request

#### Characteristics

- special product with flame retardant recipe
- special product with flame retardant recipe
- normal impact strength
- very good chemical resistance
- very good electrical insulation properties
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding



#### Trovidur® EA (PVC-U extrudiert)

##### Description

rigid PVC sheets  
unplasticised

##### Standard colours

white

#### Characteristics

- superior features for bonding and printing
- high stability to light and weather (colour white)
- low flammability, self-extinguishing after withdrawal of flame
- good suitability for printing



**Trovidur® EC**  
(PVC-U extrudiert)**Discription**rigid PVC sheets  
unplasticised**Standard colours**

white, grey

**Characteristics**

- superior impact strength
- unproblematic manufacturing by welding, heated forming, bonding
- high polish surface

**Trovidur® EC-UV**  
(PVC-U extrudiert)**Discription**rigid PVC sheets  
unplasticised  
unfilled  
superior impact strength**Standard colours**

white

**Characteristics**

- high impact strength
- high stability to light and weather (colour white)
- unproblematic manufacturing by welding, heated forming, bonding
- high polish surface

**Trovidur® EC-HI**  
(PVC-U extrudiert)**Discription**rigid PVC sheets  
unplasticised  
unfilled  
superior impact strength**Standard colours**

grey

**Characteristics**

- superior impact strength, high low temperature impact strength
- unproblematic manufacturing by welding, heated forming, bonding
- high polish surface

**Trovidur® ESV**  
(PVC-U extrudiert)**Discription**rigid PVC sheets  
unplasticised  
unfilled  
superior impact strength**Standard colours**further information about this material on  
request**Characteristics**

- superior impact strength, high low temperature impact strength
- high stability to light and weather (colour white)
- very large extent of stretching on heated shaping
- high quality surface after forming
- low flammability, self-extinguishing after withdrawal of flame

**Trovidur® NL**  
(PVC-U gepresst)**Discription**rigid PVC sheets  
unplasticised**Standard colours**

red

**Characteristics**

- identified by its red colour
- normal impact strength
- uniform physical properties in all directions of the sheets, because of the manufacturing process
- high resistance to acids, lyes and salt solutions
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding
- suitable for the contact with drinking water and food

**Trovidur® PN**  
(PVC-U gepresst)**Discription**rigid PVC sheets  
unplasticised**Standard colours**

grey, black

**Characteristics**

- normal impact strength
- uniform physical properties in all directions of the sheets, because of the manufacturing process
- high resistance to acids, lyes and salt solutions
- very good electrical insulation properties
- low flammability, self-extinguishing after withdrawal of flame
- unproblematic manufacturing by welding, heated forming, bonding

**Trovidur® PHS**  
(PVC-U gepresst)**Discription**rigid PVC sheets  
unplasticised**Standard colours**

grey

**Characteristics**

- superior impact strength, high low temperature impact strength
- uniform physical properties in all directions of the sheets, because of the manufacturing process
- unproblematic manufacturing by welding, heated forming, bonding

**Trovidur® PHT**  
**4910**  
(PVC-U gepresst)**Discription**post-chlorinated rigid PVC (PVC-C)  
unplasticised**Standard colours**

grey

**Characteristics**

- PHT 4910 - FMRC 4910 listed
- normal impact strength
- uniform physical properties in all directions of the sheets, because of the manufacturing process
- high resistance to acids, lyes and salt solutions
- low flammability, self-extinguishing after withdrawal of flame
- continuous use temperatures of up to 90°C
- unproblematic manufacturing by welding, heated forming, bonding



**Trovitex®**  
(PVC-U free foam)

**Discription**

rigid PVC foam

**Standard colours**

white, yellow, red, green, blue, grey, black

**Characteristics**

- density 0,5/0,7 g/cm<sup>3</sup>
- satin, structured surface on both sides
- high rigidity
- resistant to light and weather (colour white)
- low flammability, self-extinguishing after withdrawal of flame
- suitable for vacuum forming



**Trovitex® 7**  
(PVC-U free foam)

**Discription**

rigid PVC foam

**Standard colours**

white, yellow, red, green, blue, grey, black

**Characteristics**

- density 0,7 g/cm<sup>3</sup>
- satin, structured surface on both sides
- high rigidity
- resistant to light and weather (colour white)
- low flammability, self-extinguishing after withdrawal of flame
- suitable for vacuum forming



**Trovicel®**  
(PVC-U  
Integralschaum)

**Discription**

PVC integral foam

**Standard colours**

white

**Characteristics**

- density 0,55 g/cm<sup>3</sup>
- smooth surface on both sides
- high rigidity
- sound-deadening and heat insulating
- resistant to light and weather (colour white)
- suitable for the contact with drinking water and food



**Trovidur® W1014**

Discription	Standard colours
PVC-plasticised	further information about this material on request

**Characteristics**

- shore hardness A about 66
- superior chemical resistance
- high resistance to attrition by bouncing
- very good electrical insulation properties
- good suitability for bonding
- suitable for welding and heated forming
- naturally coloured

**Trovidur® W1590**

Discription	Standard colours
PVC-plasticised	natural

**Characteristics**

- shore hardness A about 73
- very good electrical insulation properties
- good suitability for bonding
- suitable for welding and heated forming
- naturally coloured

**Trovidur® W2000**

Discription	Standard colours
PVC-plasticised	black

**Characteristics**

- shore-hardness A about 85
- superior chemical resistance
- improved toughness and improved abrasion resistance
- very good electrical insulation properties
- good suitability for bonding
- suitable for welding and heated forming
- colour black

**Astraglas® WS**

Discription	Standard colours
PVC-plasticised	transparent

**Characteristics**

- high transparency and permeability to light
- resistant to ageing and light
- high resistance to tearing and further tearing
- high low temperature impact strength
- high abrasion resistance
- sound-deadening and heat insulating
- good suitability for bonding
- suitable for welding and heated forming

**Astralon® G**

**Description**

Acrylic glass

**Standard colours**

multicolour covered, two- or multicoloured in any compound

**Characteristics**

- layer material in various colour combinations
- excellent stability to light and weather
- electrically nonconductive
- brilliant colours
- good suitability for plastic cutting shaping
- sound-deadening and heat insulating
- good suitability for bonding



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