



PVC U 2000x1000x40 mm dark grey

Artikelnummer: P2201915



1. Tekniskt Datablad (TDS)

Density & Weight

PROPERTY	VALUE	UNIT	STANDARD
Density	1.53	g/cm ³	ASTM D792

Moisture Absorption

PROPERTY	VALUE	UNIT	STANDARD
Water absorption to saturation	0.5	%	ASTM D570
Water Absorption to Saturation	0.5	%	ASTM D570

Tensile Properties

PROPERTY	VALUE	UNIT	STANDARD
Tensile Strength	48.8	MPa	ASTM D638
Modulus of elasticity (tensile)	2669	MPa	ASTM D638
Breakdown Voltage	40	MPa	ISO 527
Break Elongation	14	%	ISO 527

Flexural Properties

PROPERTY	VALUE	UNIT	STANDARD
Flexural Strength	73.1	MPa	ASTM D790

Impact Resistance

PROPERTY	VALUE	UNIT	STANDARD
Notched impact strength (Charpy)	4	kJ/m ²	ISO 179

PROPERTY	VALUE	UNIT	STANDARD
Impact Resistance (Charpy)	550	kJ/m ²	DIN EN ISO 8256

Hardness

PROPERTY	VALUE	UNIT	STANDARD
Hardness Shore D	85	° Shore D	ASTM D2240
Ball pressure hardness	100	MPa	ISO 2039

Temperature Limits

PROPERTY	VALUE	UNIT	STANDARD
Melting point	189.2	°C	ASTM D3418
Maximal operating temperature (short-term)	93.3	°C	UL 746B
Maximum Operating Temperature	60	°C	
Minimum temperature	-15	°C	UL 746B
Heat deflection temperature (HDT/A)	106.7	°C	ASTM D648
Vicat softening temperature (VST/B/50)	75	°C	ISO 306

Thermal Conductivity

PROPERTY	VALUE	UNIT	STANDARD
Thermal Conductivity	0.14	W/(m·K)	ISO 22007-4

Thermal Expansion

PROPERTY	VALUE	UNIT	STANDARD
Thermal Expansion Coefficient	1.03	10 ⁻⁴ /K	ASTM D696

Insulation Properties

PROPERTY	VALUE	UNIT	STANDARD
Dielectric Strength	40	kV/mm	IEC 60243-1
Volume Resistivity	1015	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	3.1385	-	IEC 60250
Dielectric Constant (100 Hz)	3.2	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0192	-	IEC 60250

Static spread

PROPERTY	VALUE	UNIT	STANDARD
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PROPERTY	VALUE	UNIT	STANDARD
Surface Resistivity	1013	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112

2. Säkerhetsinformation (MSDS)

Classification: Not classified as hazardous (CLP/GHS) i fast form.

Handling: Inga särskilda åtgärder vid normal hantering. Vid termisk bearbetning >180 °C: GOD VENTILATION KRÄVS — HCl-gas (väteklorid) kan frigöras. Gränsvärde HCl: 3 ppm.

Storage: Förvaras torrt, svalt, skyddat mot direkt solljus. 5-40 °C.

Brandrisker: Vid brand/termisk nedbrytning: HCl (väteklorid) — kraftigt irriterande/frätande gas. CO, CO₂. Dioxiner kan bildas vid ofullständig förbränning. ALLTID andningskydd vid brand.

3. Chemical Resistance

A Utmärkt **B** God **C** Begränsad **D** Ej rekommenderad

CHEMICAL	BETYG	CONC.	TEMP.
1,4-Dioxane	not_resistant	100%%	
2-Hydroxypropionic acid (lactic acid)	resistant	90%%	
Acetic acid	resistant	100%%	
Acetone	not_resistant	100%%	
Ammonia	resistant	conc.%	
Ammonium chloride	resistant		
Amyl alcohol	resistant		
Apple juice	resistant		
Benzene	not_resistant		
Bleaching solution	resistant	12.5 cl%	
Boric acid	resistant	100%%	
Brake fluid	resistant		
Butyl acetate	not_resistant		
Calcium chloride	resistant		
Carbon disulphide	not_resistant	100%%	
Carbon tetrachloride	not_resistant		
Chlorine (gas)	partially_resistant	100%%	
Chlorobenzene	not_resistant	100%%	

CHEMICAL	BETYG	CONC.	TEMP.
Chloroform	not_resistant		
Citric acid	resistant	100%%	
Cresol	not_resistant		
Cyclohexanone	not_resistant	100%%	
Cyclohexene	resistant	100%%	
Diesel	resistant		
Diethylene oxide	not_resistant		
Ethyl acetate	not_resistant	100%%	
Ethyl alcohol (ethanol)	resistant	96%%	
Ethylene chloride	not_resistant	100%%	
Food oil	resistant		
Formaldehyde (aqueous)	resistant	40%%	
Formic acid	resistant	10%%	
Frost protection agent	resistant		
Fuel (aromatic free)	resistant		
Fuel oil	resistant		
Glycerine	resistant	100%%	
Glycol	resistant	100%%	
Heptane	resistant	100%%	
Hydrochloric acid	resistant	10%%	
Hydrochloric acid (concentrated)	resistant	conc.%	
Hydrofluoric acid	resistant	40%%	
Hydrogen peroxide	resistant	10%%	
Hydrogen sulfide (aqueous)	resistant		
Isopropyl alcohol	resistant	100%%	
Linseed oil	resistant		
Mercurochrome	partially_resistant		
Methyl alcohol (methanol)	resistant	100%%	
Methyl ethyl ketone (MEK)	not_resistant	100%%	
Methylene chloride	not_resistant	100%%	
Milk	resistant		

CHEMICAL	BETYG	CONC.	TEMP.
Mineral oils (aromatic free)	resistant		
Nitric acid	resistant	50%%	
Nitric acid	resistant	10%%	
Nitrobenzene	not_resistant		
Oxalic acid	resistant		
Ozone (gas)	resistant	≤ 0.5 ppm%	
Paraffin oil	resistant	100%%	
Perchloroethylene	not_resistant		
Petroleum	resistant	100%%	
Petroleum ether	resistant	100%%	
Phenol (aqueous)	partially_resistant	ca. 9%%	
Phosphoric acid	resistant	50%%	
Potassium hydroxide solution	resistant	50%%	
Premium fuel	not_resistant		
Propyl alcohol	resistant		
Pyridine	not_resistant		
Silicone oil	resistant		
Sodium carbonate (aqueous)	resistant		
Sodium chloride (aqueous)	resistant		
Sodium hydrogen sulfite	resistant		
Sodium hydroxide solution (caustic soda)	resistant	15%%	
Sodium hydroxide solution (caustic soda)	resistant	60%%	
Sodium nitrate (aqueous)	resistant		
Sodium thiosulfate	resistant		
Sulphuric acid	resistant	96%%	
Tetrahydrofuran (THF)	not_resistant	100%%	
Toluene	not_resistant	100%%	
Transformer oil	resistant		
Trichloroethylene	not_resistant	100%%	
Vinegar (standard)	resistant	5 - 10%%	
Water	resistant		

CHEMICAL	BETYG	CONC.	TEMP.
Xylene	not_resistant		