



## PC 3000x610x60 mm transparent

Artikelnummer: P1002747

### 1. Tekniskt Datablad (TDS)

#### Density & Weight

EGENSKAP	VÄRDE	ENHET	STANDARD
Density	1.2	g/cm <sup>3</sup>	ISO 1183

#### Moisture Absorption

EGENSKAP	VÄRDE	ENHET	STANDARD
Water absorption to saturation	0.15	%	ISO 62
Water Absorption to Saturation	0.35	%	ISO 62

#### Tensile Properties

EGENSKAP	VÄRDE	ENHET	STANDARD
Tensile Strength	75	MPa	ISO 527
Modulus of elasticity (tensile)	2400	MPa	ISO 527-2
Breakdown Voltage	60	MPa	
Break Elongation	50	%	ISO 527-2

#### Flexural Properties

EGENSKAP	VÄRDE	ENHET	STANDARD
Flexural Strength	2400	MPa	ISO 178

#### Impact Resistance

EGENSKAP	VÄRDE	ENHET	STANDARD
Notched impact strength (Charpy)	9	kJ/m <sup>2</sup>	ISO 179/1eA

Hardness			
EGENSKAP	VÄRDE	ENHET	STANDARD
Hardness Shore D	85	° Shore D	ISO 868
Ball pressure hardness	120	MPa	ISO 2039-1

Temperature Limits			
EGENSKAP	VÄRDE	ENHET	STANDARD
Melting point	160	°C	ISO 3146
Maximal operating temperature (short-term)	118.9286	°C	UL746B
Maximum Operating Temperature	113.75	°C	
Minimum temperature	-54	°C	UL746B
Heat deflection temperature (HDT/A)	130	°C	ISO 75-2
Heat deflection temperature (HDT/B)	140	°C	ISO 75
Vicat softening temperature (VST/B/50)	150	°C	ISO 306

Thermal Conductivity			
EGENSKAP	VÄRDE	ENHET	STANDARD
Thermal Conductivity	0.21	W/(m·K)	DIN 52612

Thermal Expansion			
EGENSKAP	VÄRDE	ENHET	STANDARD
Thermal Expansion Coefficient	0.65	10 <sup>-4</sup> /K	DIN 11359

Insulation Properties			
EGENSKAP	VÄRDE	ENHET	STANDARD
Dielectric Strength	29	kV/mm	IEC 60243-1
Volume Resistivity	101300	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	2.98	-	IEC 60250
Dielectric Constant (100 Hz)	3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0081	-	IEC 60250
Dielectric loss factor (100 Hz)	0.006	-	IEC 60250

Static spread			
EGENSKAP	VÄRDE	ENHET	STANDARD

EGENSKAP	VÄRDE	ENHET	STANDARD
Surface Resistivity	1015	Ω	IEC 60093
Comparative Tracking Index (CTI)	279.1667	V	IEC 60112

#### Fire Classification

EGENSKAP	VÄRDE	ENHET	STANDARD
Flammability Classification (UL 94)	0		UL 94

## 2. Säkerhetsinformation (MSDS)

**Klassificering:** Ej klassificerad som farlig (CLP/GHS) i fast form.

**Hantering:** Inga särskilda åtgärder vid normal hantering. Vid bearbetning: Använd dammsug. Vid termisk bearbetning >300 °C: God ventilation.

**Lagring:** Förvaras torr och svalt. Skyddas mot UV-ljus och starka alkalier. 5-40 °C.

**Brandrisker:** Vid brand: CO, CO<sub>2</sub>, fenol kan bildas. Använd andningsskydd.

## 3. Kemisk beständighet

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

KEMIKALIE	BETYG	KONC.	TEMP.
1,4-Dioxane	good	100%%	
2-Hydroxypropionic acid (lactic acid)	excellent	90%%	
Acetic acid	not_recommended	100%%	
Acetone	not_recommended	100%%	
Ammonia	not_recommended	conc.%	
Ammonium chloride	excellent		
Apple juice	good		
Benzene	not_recommended		
Bleaching solution	not_recommended	12.5 cl%	
Boric acid	excellent	100%%	
Butyl acetate	not_recommended		
Calcium chloride	excellent		
Carbon disulphide	not_recommended	100%%	
Carbon tetrachloride	not_recommended		
Chlorine (gas)	good	100%%	

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

KEMIKALIE	BETYG	KONC.	TEMP.
Milk	excellent		
Nitric acid (10%)	good	10%%	
Nitric acid (50%)	not_recommended	50%%	
Nitrobenzene	not_recommended		
Oxalic acid	excellent		
Ozone (gas)	good	≤ 0.5 ppm%	
Paraffin oil	excellent	100%%	
Perchloroethylene	not_recommended		
Petroleum	good	100%%	
Petroleum ether	good	100%%	
Phenol, aqueous	not_recommended	ca. 9%%	
Phosphoric acid	excellent	50%%	
Potassium hydroxide solution	not_recommended	50%%	
Premium fuel	not_recommended		
Propyl alcohol	excellent		
Pyridine	not_recommended		
Silicone oil	excellent		
Sodium carbonate, aqueous	excellent		
Sodium chloride, aqueous	excellent		
Sodium hydrogen sulfite	excellent		
Sodium hydroxide solution (15%)	not_recommended	15%%	
Sodium hydroxide solution (60%)	not_recommended	60%%	
Sodium nitrate, aqueous	excellent		
Sulphuric acid	not_recommended	96%%	
Tetrahydrofuran (THF)	not_recommended	100%%	
Toluene	not_recommended	100%%	
Trichloroethylene	not_recommended	100%%	
Vinegar, standard	excellent	5-10%%	
Water	excellent		
Xylene	not_recommended		



**PlastShop.se**  
Söderleden 22 , Linköping , Sweden

Tel: +46 13 328 94 00  
[info@plastshop.se](mailto:info@plastshop.se)  
<https://plastshop.se>

Informationen i detta dokument baseras på aktuell kunskap och erfarenhet. Värden kan variera beroende på bearbetning och användningsförhållanden. Alla uppgifter utan garanti.

