

PVC U 140x5000 mm SDR 51 läpinäkyvä

Artikelnr P2202310

Material PVC

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	1.53	g/cm ³	ASTM D792
Venymisrajan jännitys	48.8	MPa	ASTM D638
Joustavuusmoduli (vetolujuus)	2669	MPa	ASTM D638
Murtolujuus	40	MPa	ISO 527
Murtovenymä	14	%	ISO 527
Sulamispiste	189.2	°C	ASTM D3418
Maksimaalinen käyttölämpötila (lyhytaikainen)	93.3	°C	UL 746B
Maksimi käyttölämpötila	60	°C	
Alin lämpötila	-15	°C	UL 746B
Lämpökäyrä (HDT/A)	106.7	°C	ASTM D648
Vicat-pehmenemislämpötila (VST/B/50)	75	°C	ISO 306
Dielektrinen voimakkuus	40	kV/mm	IEC 60243-1
Tilavuusresistanssi	10¹⁵	Ω·cm	DIN EN 62631-3-1
Dielektrinen vakio (1 MHz)	3.1	-	IEC 60250
Dielektrinen vakio (100 Hz)	3.2	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	0.0	-	IEC 60250
Taivutuslujuus	73.1	MPa	ASTM D790
Lämmönjohtavuus	0.14	W/(m·K)	ISO 22007-4
Pintaresistanssi	10¹³	Ω	DIN EN 62631-3-2
Vertailukulkemisindeksi (CTI)	600	V	IEC 60112
Imeytymisen maksimointi	0.5	%	ASTM D570
Vesihaku kyllästymiseen	0.5	%	ASTM D570
Särkyäkesto (Charpy)	4	kJ/m ²	ISO 179
Iskunkestävyys (Charpy)	550	kJ/m ²	DIN EN ISO 8256

Egenskap	Värde	Enhet	Standard
Lämpölaajenemiskerroin	1.03	10 ⁻⁴ /K	ASTM D696
Kovuus Shore D	85	° Shore D	ASTM D2240
Kulmapaineen kovuus	100	MPa	ISO 2039

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	●
2-Hydroxypropionic acid (lactic acid)	90%	●
Acetic acid	100%	●
Acetone	100%	●
Ammonia	conc.	●
Ammonium chloride	-	●
Amyl alcohol	-	●
Apple juice	-	●
Benzene	-	●
Bleaching solution	12.5 cl	●
Boric acid	100%	●
Brake fluid	-	●
Butyl acetate	-	●
Calcium chloride	-	●
Carbon disulphide	100%	●
Carbon tetrachloride	-	●
Chlorine (gas)	100%	●
Chlorobenzene	100%	●
Chloroform	-	●
Citric acid	10%	●
Cresol	-	●
Cyclohexanone	100%	●
Cyclohexene	100%	●
Diesel	-	●
Diethylene oxide	-	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●

Kemikalie	Konc.	Resultat
Ethylene chloride	100%	●
Food oil	-	●
Formaldehyde (aqueous)	40%	●
Formic acid	10%	●
Frost protection agent	-	●
Fuel (aromatic free)	-	●
Fuel oil	-	●
Glycerine	100%	●
Glycol	100%	●
Heptane	100%	●
Hydrochloric acid	10%	●
Hydrochloric acid (concentrated)	conc.	●
Hydrofluoric acid	40%	●
Hydrogen peroxide	10%	●
Hydrogen sulfide (aqueous)	-	●
Isopropyl alcohol	100%	●
Linseed oil	-	●
Mercurochrome	-	●
Methyl alcohol (methanol)	100%	●
Methyl ethyl ketone (MEK)	100%	●
Methylene chloride	100%	●
Milk	-	●
Mineral oils (aromatic free)	-	●
Nitric acid	50%	●
Nitric acid	10%	●
Nitrobenzene	-	●
Oxalic acid	-	●
Ozone (gas)	≤ 0.5 ppm	●
Paraffin oil	100%	●
Perchloroethylene	-	●
Petroleum	100%	●
Petroleum ether	100%	●
Phenol (aqueous)	ca. 9%	●
Phosphoric acid	50%	●
Potassium hydroxide solution	50%	●

Kemikalie	Konc.	Resultat
Premium fuel	-	●
Propyl alcohol	-	●
Pyridine	-	●
Silicone oil	-	●
Sodium carbonate (aqueous)	-	●
Sodium chloride (aqueous)	-	●
Sodium hydrogen sulfite	-	●
Sodium hydroxide solution (caustic soda)	15%	●
Sodium hydroxide solution (caustic soda)	60%	●
Sodium nitrate (aqueous)	-	●
Sodium thiosulfate	-	●
Sulphuric acid	96%	●
Tetrahydrofuran (THF)	100%	●
Toluene	100%	●
Transformer oil	-	●
Trichloroethylene	100%	●
Vinegar (standard)	5 - 10%	●
Water	-	●
Xylene	-	●