



PVC U 75x5000 mm SDR 51 läpinäkyvä

Artikelnr P2202306
Material PVC

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	1.53	g/cm³	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	10 ¹⁵	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	10 ¹³	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/m²	ISO 179
Iskunkestävyys (Charpy)	550	kJ/m²	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	-	