



PE-HD 3/8"x2440 mm luonnollinen

Artikelnummer: P2200393

1. Tekniskt Datablad (TDS)

Tiheys & paino

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Tiheys	0.96	g/cm ³	ISO 1183

Vesihöyryns sitoutuminen

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Imeytymisen maksimointi	0.01	%	ISO 62
Vesihaku kyllästymiseen	0.01	%	ISO 62

Vetokoeominaisuudet

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Venymisrajan jännitys	20	MPa	ISO 527
Joustavuusmoduli (vetolujuus)	1200	MPa	ISO 527
Murtolujuus	13	MPa	ISO 527
Murtovenymä	200	%	ISO 527

Joustavuusominaisuudet

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Taivutuslujuus	20	MPa	ISO527-2

Iskunkestävyys

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Särkyäkesto (Charpy)	7.5	kJ/m ²	ISO 179/1eA

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Iskunkestävyys (Charpy)	15	kJ/m ²	ISO 179/1eU

Kovuus

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Kovuus Shore D	60	° Shore D	shore D
Kulmapaineen kovuus	50	MPa	ISO 2039-1

Lämpötilarajat

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Sulamispiste	135	°C	ISO 3146
Maksimaalinen käyttölämpötila (lyhytaikainen)	94.5455	°C	UL746B
Maksimi käyttölämpötila	75.5128	°C	
Alin lämpötila	-50.7609	°C	
Lämpökäyrä (HDT/A)	45	°C	ISO 75-2
Lämpökäyrä (HDT/B)	69	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	79	°C	ISO 306

Lämmönjohtavuus

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Lämmönjohtavuus	0.4	W/(m·K)	DIN 52612

Lämpölaajeneminen

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Lämpölaajenemiskerroin	2	10 ⁻⁴ /K	ISO 11359

Eristysominaisuudet

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Dielektrinen voimakkuus	45	kV/mm	IEC 60243-1
Tilavuusresistanssi	10 ¹²	Ω·cm	EN 61340-5-1
Dielektrinen vakio (1 MHz)	2.4232	-	IEC 60250
Dielektrinen vakio (100 Hz)	2.3	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	0.0004	-	IEC 60250
Dielektrinen hajoamiskerroin (100 Hz)	0.0002	-	IEC 60250

Staattinen leviäminen

OMINAISUUS	ARVO	YKSIKKÖ	STANDARDI
Pintaresistanssi	10 ²³	Ω	EN 61340-5-1
Vertailukulkemisindeksi (CTI)	600	V	IEC 60112

2. Säkerhetsinformation (MSDS)

Luokitus: Ei luokiteltu vaaralliseksi (CLP/GHS) i fast form.

Käsitely: Inga särskilda åtgärder vid normal hantering av fast material. Vid bearbetning: Använd dammsug. Undvik inandning av damm och smält-ångor.

Varastointi: Förvaras torrt, svalt och skyddat mot UV-ljus. 5-40 °C.

Brandrisker: Vid brand: CO, CO₂ och kolväteångor kan bildas.

3. Kemiällinen kestävyys

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

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
1,4-Dioxane	resistant	100%%	
2-Hydroxypropionic acid (lactic acid)	resistant	90%%	
Acetaldehyde	resistant		
Acetic acid	resistant	100%%	
Acetic acid	resistant	100%%	
Acetic acid, aqueous	resistant	70%%	
Acetic anhydride	resistant		
Acetone	resistant		
Acetone	resistant	100%%	
Acronal dispersions	resistant		
Acrylonitrile	resistant		
Allyl acetate	resistant		
Allyl alcohol	resistant	96%%	
Allyl chloride	resistant		
Aluminium chloride, aqueous	resistant	any%	
Aluminium chloride, solid	resistant		
Aluminium fluoride	resistant	Conc.%	
Aluminium hydroxide	resistant		

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Aluminium metaphosphate	resistant		
Aluminium sulphate, aqueous saturated	resistant		
Aluminium sulphate, solid	resistant		
Ammonia	resistant	concentrated%	
Ammonia, gaseous	resistant		
Ammonia, liquid	resistant		
Ammonium chloride	resistant		
Amyl alcohol	resistant		
Aniline	resistant	any%	
Anisole	resistant		
Aqua regia	not_resistant		
Beer	resistant		
Benzaldehyde, aqueous	resistant	any%	
Benzene	not_resistant	technically grade%	
Benzene	resistant		
Benzoic acid, aqueous	resistant	any%	
Benzyl alcohol	resistant		
Bitumen	resistant		
Bleaching solution	partially_resistant	12.5 cl%	
Boric acid	resistant	100%%	
Brake fluid	resistant		
Bromine, liquid	not_resistant	100%%	
Butanol, aqueous	resistant	any%	
Butter	resistant		
Butyl acetate	resistant		
Calcium chloride	resistant		
Calcium hypochlorite, aqueous suspension	resistant	any%	
Camphor	partially_resistant		
Carbon disulphide	partially_resistant	100%%	
Carbon disulphide	not_resistant		
Carbon tetrachloride	partially_resistant		

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Caustic soda (NaOH)	resistant	any%	
Chlorine (gas)	partially_resistant	100%%	
Chlorine, liquid	not_resistant		
Chloroacetic acid, aqueous	resistant	≤85%%	
Chlorobenzene	partially_resistant	100%%	
Chlorobenzene	partially_resistant		
Chloroform	partially_resistant	technically grade%	
Chloroform	partially_resistant		
Chromosulphuric acid	not_resistant		
Cider	resistant		
Citric acid	resistant	10%%	
Citrus fruit juices	resistant		
Coconut oil	resistant		
Cod liver oil	resistant		
Cresol	resistant	100%%	
Cresol	resistant		
Cyclohexane	resistant		
Cyclohexanol	resistant		
Cyclohexanone	resistant	100%%	
Cyclohexanone	resistant		
Cyclohexene	resistant	100%%	
Detergents	resistant	usual%	
Detergents	resistant		
Dibutyl ether	resistant		
Dibutyl phthalate	resistant		
Dichloroacetic acid	resistant		
Dichloroethane	partially_resistant		
Diesel	resistant		
Diesel	resistant		
Diethylene oxide	resistant		
Diglycolic acid, aqueous	resistant	30%%	

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Dimethyl formamide (DMF)	resistant		
Dimethylamine	resistant		
Dioxane	resistant		
Essential oils	partially_resistant		
Ethyl acetate	resistant		
Ethyl acetate	resistant	100%%	
Ethyl alcohol (ethanol)	resistant	96%%	
Ethylene alcohol	resistant	96%%	
Ethylene chloride	resistant	100%%	
Ethylene chloride	not_resistant		
Ethylene diamine	resistant		
Ethylene glycol	resistant		
Ferric chloride, aqueous	resistant	any%	
Ferric nitrate, aqueous saturated	resistant		
Ferric nitrate, aqueous saturated	resistant		
Ferric sulphate, aqueous saturated	resistant		
Ferric sulphate, aqueous saturated	resistant		
Ferrous (II) chloride, aqueous saturated	resistant		
Ferrous (II) sulfate, aqueous saturated	resistant		
Ferrous (III) chloride, aqueous saturated	resistant		
Food oil	resistant		
Formaldehyde (aqueous)	resistant	40%%	
Formaldehyde, aqueous	resistant	≤40%%	
Formic acid	resistant	10%%	
Formic acid, aqueous	resistant	85%%	
Frigen 12 (Freon 12)	not_resistant	100%%	
Frost protection agent	resistant		
Fruit juices	resistant	any%	
Fuel (aromatic free)	resistant		
Fuel oil	resistant		
Fuel oil	resistant		

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Furfural	resistant		
Glycerine	resistant	100%%	
Glycerine, aqueous	resistant	any%	
Glycol	resistant	100%%	
Glycol, aqueous	resistant	as supplied%	
Glycantin	resistant		
Heptane	resistant		
Heptane	resistant	100%%	
Hexane	resistant		
Honey	resistant		
Hydrobromic acid, aqueous	resistant	50%%	
Hydrochloric acid	resistant	10%%	
Hydrochloric acid (concentrated)	resistant	concentrated%	
Hydrochloric acid, aqueous	resistant	any%	
Hydrofluoric acid	resistant	40%%	
Hydrogen peroxide	resistant	10%%	
Hydrogen sulfide (aqueous)	resistant		
Ink	resistant		
Iodine in potassium iodide solution	resistant	3% iodine%	
Isooctane	resistant		
Isopropanol	resistant		
Isopropyl alcohol	resistant	100%%	
Isopropyl ether	partially_resistant		
Jam	resistant		
Kerosene	resistant		
Linseed oil	resistant	technically grade%	
Linseed oil	resistant		
Lithium bromide	resistant		
Maleic acid, aqueous	resistant	any%	
Menthol	resistant		
Mercurochrome	resistant		

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Mercury	resistant		
Methanol	resistant	technically grade%	
Methyl alcohol (methanol)	resistant	100%%	
Methyl chloride	not_resistant	gaseous, technically grade%	
Methyl ethyl ketone (MEK)	not_resistant	100%%	
Methyl ethyl ketone (MEK)	resistant	technically grade%	
Methylene chloride	partially_resistant	100%%	
Milk	resistant		
Milk	resistant		
Mineral oil (aromatic free)	resistant		
Molasses	resistant		
Motor oil (heavy duty) without additives	resistant		
Naphtha	resistant		
Naphthalene	resistant		
Nitric acid	resistant	10%%	
Nitric acid (50%)	partially_resistant	50%%	
Nitric acid, aqueous	partially_resistant	50%%	
Nitric acid, aqueous	resistant	25%%	
Nitrobenzene	resistant		
Nitrobenzene	resistant		
Oils, vegetable and animal	resistant		
Oleic acid	resistant		
Oleum (fuming sulphuric acid)	not_resistant	any%	
Oxalic acid	resistant		
Oxalic acid, aqueous	resistant	any%	
Oxygen	resistant		
Ozone	partially_resistant	50 ppm%	
Ozone (gas)	resistant	≤0.5 ppm%	
Paraffin oil	resistant	100%%	
Perchloric acid, aqueous	resistant	20%%	
Perchloric acid, aqueous	resistant	50%%	

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Perchloric acid, aqueous	resistant	70%%	
Perchloroethylene	partially_resistant		
Petroleum	resistant		
Petroleum ether	resistant		
Petroleum ether	resistant	100%%	
Phenol	resistant		
Phenol (aqueous)	resistant	≈9%%	
Phosphoric acid	resistant	50%%	
Phosphoric acid, aqueous	resistant	80% L 95%%	
Phosphoric acid, aqueous	resistant	50%%	
Phosphorus trichloride	not_resistant		
Photographic developer	resistant		
Photographic emulsion	resistant	as supplied%	
Photographic fixing bath	resistant	as supplied%	
Phthalic acid, aqueous	resistant	50%%	
Polyester resins	not_resistant		
Potassium hydroxide solution	resistant	50%%	
Premium fuel	resistant		
Propionic acid, aqueous	resistant	any%	
Propyl alcohol	resistant		
Pyridine	resistant		
Pyridine	resistant		
Sea water	resistant		
Silicone oil	resistant	technically grade%	
Silicone oil	resistant		
Sodium borate (borax)	resistant		
Sodium bromide	resistant		
Sodium carbonate (aqueous)	resistant		
Sodium chloride (aqueous)	resistant		
Sodium hydrogen sulfite	resistant		

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Sodium hydroxide solution (60%)	resistant	60%%	
Sodium hydroxide solution (caustic soda)	resistant	15%%	
Sodium hydroxide, aqueous	resistant	any%	
Sodium hydroxide, solid	resistant		
Sodium nitrate (aqueous)	resistant		
Sodium thiosulfate	resistant		
Stearic acid	resistant		
Sugar syrup	resistant		
Sulphuric acid	partially_resistant	96%%	
Sulphuric acid, aqueous	resistant	≤50%%	
Sulphuric acid, aqueous	resistant	98%%	
Sulphuric acid, aqueous	resistant	80%%	
Sulphuric acid, aqueous	resistant	70%%	
Tallow	resistant	technically grade%	
Tannic acid (tannin), aqueous	resistant	10%%	
Tetrahydrofuran (THF)	not_resistant	technically grade%	
Tetrahydrofuran (THF)	partially_resistant	100%%	
Thionyl chloride	not_resistant		
Thiophene	not_resistant		
Tin (II) chloride, aqueous	resistant	any%	
Tin (IV) chloride, aqueous	resistant	saturated%	
Toluene	not_resistant	technically grade%	
Toluene	partially_resistant	100%%	
Transformer oil	resistant		
Transformer oil (insulating oil)	resistant	technically grade%	
Trichloroacetic acid	resistant	technically grade%	
Trichloroethylene	resistant	100%%	
Trichloroethylene	not_resistant	technically grade%	
Triethanolamine	resistant		
Turpentine oil	resistant	technically grade%	
Urea, vattenl.	resistant	≤33%%	

KEMIKAALI	BETYG	PITOIS.	LÄMPÖT.
Vaseline	resistant	technically grade%	
Vinegar (standard)	resistant	5-10%%	
Water	resistant		
Water, distilled	resistant		
Wine	resistant		
Xylene	not_resistant		
Xylene	not_resistant		
Zinc sludge	resistant		