Epradur® PVC-P

This PVC is excellent for bonding and welding and has a wide range of applications. It is highly resistant to acids and alkalis. Also the painting and printing is no problem. The material is cadmium-free and has a high stiffness and pressure resistance. The impact resistance is limited, especially at low temperatures.

General properties	Test method	Value	Unit
ISO code:	ISO 1183		
Density:	ISO 1183-1	1,4	g/cm3
Water absorption in Air (23°C / 50% RH)	ISO 62	0,2	%
Water absorption in Air (23°C / 100% RH)	ISO 62	0,5	%
Resistance to hot water	n/a	+	
Weather resistance	n/a	-	
Mechanical properties			
Elongation at break:	ISO 527	15	%
Ball indention hardness	ISO 2039	n/a	MPa
Tensile modules of elasticity	ISO 527	3000	MPa
Charpy impact strength - notched	ISO 179	4	kJ/m2
Charpy impact strength - unnotched	ISO 179	No Break	kJ/m2
Compressive stress at 1%	n/a	n/a	MPa
Coefficient of friction	ASTM D 1894	0,4-0,6	
Thermal properties			
Melting temperature	n/a	130	°C
Max. allowable service temp (short period)	n/a	70	°C
Max. allowable service temp (long period)	n/a	60	°C
Min. service temperature	n/a	0	°C
Coefficient of linear expansion	n/a	60	x10 -6 m/(m*K)
Flammability	UL94	B1	
Electrical properties			
Dielectric dissipation (at 1MHz)	ISO 60250	3,2	Ω
Electric strength	ISO 60243	n/a	kV/mm
Volume resistivity	ISO 60093	>10^15	Ω.cm

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