TECAVINYL PVC natural - Stock Shapes (rods, plates, tubes)

Chemical Designation
PVC (Polyvinyl chloride)

Colour
natural

Density
1.44 g/cm^3

Main features
- very good chemical resistance
- high stiffness

Target Industries
- construction industry
- chemical technology
- electrical engineering
- mechanical engineering

Mechanical properties	*parameter*	*value*	*unit*	*norm*		*comment*
Modulus of elasticity (tensile test)		3300	MPa	DIN EN ISO 527-1		(1) DIN EN ISO 868
Tensile strength at yield		58	MPa	DIN EN ISO 527-1		
Elongation at yield (tensile test)		4	%	DIN EN ISO 527-1		
Notched impact strength (Charpy)		4	kJ/m^2	DIN EN ISO 179-1eA		
Shore hardness	Shore D	82		-	1)	
Thermal properties	*parameter*	*value*	*unit*	*norm*		*comment*
Vicat softening point		74	°C	-	1)	(1) DIN EN ISO 306
Service temperature	Long Term	60	°C	-		
Electrical properties	*parameter*	*value*	*unit*	*norm*		*comment*
Dielectric strength	DIN IEC 60243-1	39	kV/mm	-		
Surface resistivity		10^{13}	Ω	DIN IEC 60093		
Other properties	*parameter*	*value*	*unit*	*norm*		*comment*
Flammability (UL94)	UL94 V-0	1	mm	-		

This information reflects the current state of our knowledge and is intended only to assist and advise. It is given without obligation or liability. It does not assure or guarantee chemical resistance, quality of products or their suitability in any legally binding way. Values are not minimum or maximum values, but guidelines that can be used for comparative purposes in material selection. They are within the normal range of product properties and do not represent guaranteed property values. Testing under individual application circumstances is always recommended. Data is obtained from extruded shapes material unless otherwise noted. References to FDA compliance refer to the resins from which the products were made unless otherwise noted. All trade and patent rights should be observed. All rights reserved. Data sheet values are subject to periodic review, the most recent update can be found at www.ensingerplastics.com.

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