



QuantaPVDF® - 2850
Kynar® PVDF 2850 Extruded Stock Shape Products

Physical Properties			
Specific Gravity	D792	g/cm ³	1.77-1.80
Melting Temp	D3418	°F	311-320
Water Absorption	D570	%	0.03-0.05
Mechanical Properties			
Tensile Yield Strength	D638	psi (K)	4.5-5.0
Tensile Beak Strength	D638	psi (K)	4.0-7.0
Break Elongation	D638	%	30-200
Tensile Modulus	D638	psi (K)	150-220
Flexural Strength	D790	psi (K)	3.0-5.0
Flexural Modulus	D790	psi (K)	150-180
Compressive Strength	D695	psi (K)	6.0-8.5
Izod Impact Strength (notched)	D256	ft-lb/in	2-8
Izod Impact Strength (unnotched)	D256	ft-lb/in	NB
Hardness	D2240	Shore D	70-75
Thermal Properties			
Deflection Temp @ 66 psi	D648	°F	140-167
Deflection Temp @ 264 psi	D648	°F	100-131
Electrical Properties			
Volume Resistivity	-	Ohm-cm	2 x 10 ¹⁴
Dielectric Constant	D150- 100Hz	-	3.5 – 10.2

Rods

Diameter: 1/2" - 6"
Length: 8'

Plates

12" x 48"
Thickness: 3/8" - 4"
24" x 48"
Thickness: 3/8" - 2"

Tubular Bars

OD: 3" - 6"
Wall Thickness >= 3/4"
Length: 4'