



PPC INSULATORS

ELECTRIFYING THE WORLD



PPC Insulators

High-Voltage, High-Strength Suspension Insulators

Reliable porcelain insulators for transmission applications

www.ppcinsulators.com

High Voltage Suspension Insulators

For years, porcelain insulators have provided high electrical performance and reliability in high voltage applications.

With more than 130 years of porcelain manufacturing experience, PPC Insulators is able to provide best-in-class suspension insulator solutions.

All insulators are tested and manufactured in accordance with ANSI C29.2. PPC offers both ball & socket and clevis-eye couplings constructed with hot-dip galvanized malleable iron. Cotter keys for locking ball and socket and clevis pin connections are stainless steel. For extra corrosion protection, PPC also offers zinc-sleeved suspension insulators.



Product Data

Catalog Number	P 52 - 9A	P 52 - 1	P 52 - 3H	P 52 - 4H	P 52 - 5H	P 52 - 6H	P 52 - 8H	P 52 - 10H	P 52 - 11H
ANSI Technical Reference	52 - 9A	52 - 1	52 - 3H	52 - 4H	52 - 5H	52 - 6H	52 - 8H	52 - 10H	52 - 11H
Dimensions (inches)									
Leakage Distance	6.75"	7"	11.5"	11.5"	11"	11"	11"	11"	15"
Height	6.25"	5.5"	5.75"	5.75"	5.75"	5.75"	5.75"	6.5"	6.125"
Diameter	4.5"	6.5"	10.125"	10.125"	10.75"	10.75"	11.75"	11.75"	12.25"
Diameter of Clevis Ring	0.875"	0.875"		0.6875"		0.6875"		0.8125"	
Mechanical Values									
ANSI M&E Category	10000 lbs	10000 lbs	15000 lbs	15000 lbs	25000 lbs	25000 lbs	36000 lbs	36000 lbs	50000 lbs
Combined M&E Strength	10000 lbs	10000 lbs	20000 lbs	20000 lbs	30000 lbs	30000 lbs	40000 lbs	40000 lbs	50000 lbs
Mechanical Impact Strength	45 in-lb	45 in-lb	55 in-lb	55 in-lb	60 in-lb	60 in-lb	90 in-lb	90 in-lb	90 in-lb
Routine Proof Test	5000 lbs	5000 lbs	10000 lbs	10000 lbs	15000 lbs	15000 lbs	20000 lbs	20000 lbs	25000 lbs
Electrical Values									
Low Frequency Flashover, Dry	60 kV	60 kV	80 kV	80 kV	80 kV	80 kV	80 kV	80 kV	80 kV
Low Frequency Flashover, Wet	30 kv	30 kV	50 kV	50 kV	50 kV	50 kV	50 kV	50 kV	50 kV
Impulse Flashover, Positive	100 kv	100 kV	125 kV	125 kV	125 kV	125 kV	125 kV	125 kV	140 kV
Impulse Flashover, Negative	90 kV	100 kV	130 kV	130 kV	130 kV	130 kV	130 kV	130 kV	140 kV
Low Frequency Puncture Voltage	80 kV	80 kV	110 kV	110 kV	110 kV	110 kV	110 kV	110 kV	110 kV
Radio Influence Low Frequency Test Voltage Data									
Test voltage Rms, kV	10 kV	7.5 kV	10 kV	10 kV	10 kV	10 kV	10 kV	10 kV	10 kV
Max RIV, Microvolts at 1000 kHz	50	50	50	50	50	50	50	50	50

* For designs not shown above, please contact your local PPC sales representative or reach us at customerservice.usa@ppcinsulators.com.