Family	Product Name	Product Form	Maximum Service Temperature		Coefficient of Thermal Expansion		Dielectric Strength	Volume Resistivity	Main Applications (but not limited to)
			°C	°F	°C	°F	(@21°C volts/mil) (@70°F volts/mil	(@21°C ohm-cm) (@70°F ohm-cm)	
AIR SETS	P1	Powder	982	1800	$11.1x10^{-6}$	$6.2x10^{-6}$	12.5 - 51.0	10^{8} - 10^{9}	Bonding, Insulating, Encapsulating
	2	Paste	1649	3000	$14.87x10^{-6}$	$7.6x10^{-6}$	48.0 - 55.0	10^{8} - 10^{10}	Assembly, Sealing, Bonding
	3MOD7	Paste	1204	2200	$6.12x10^{-6}$	$3.4x10^{-6}$	50.0 - 100.0	10^{6} - 10^{8}	Assembly, Sealing, Bonding
	3MOD10	Paste	1204	2200	$6.12x10^{-6}$	$3.4x10^{-6}$	50.0 - 100.0	10^{6} - 10^{8}	Assembly, Sealing, Bonding
	3MOD18	Paste	1204	2200	$6.12x10^{-6}$	$3.4x10^{-6}$	50.0 - 100.0	10^{6} - 10^{8}	Assembly, Sealing, Bonding
	78/3	Powder	1427	2600	$3.97x10^{-6}$	$7.15x10^{-6}$	12.5 - 51.0	10^{8} - 10^{9}	Coating, Embedding
	315	Paste	954	1750	$11.3x10^{-6}$	$6.5x10^{-6}$	-	-	Assembly, Sealing, Insulating, Bonding
CHEMICAL SETS	X44	Powder	1426	2600	$4.68x10^{-6}$	$2.6x10^{-6}$	76.0 - 101.5	10^{10} - 10^{11}	Potting
	X52	Powder	1316	2400	$9.0x10^{-6}$	$5.0x10^{-6}$	55.0 - 63.0	10^{8} - 10^{11}	Potting
	X56	Powder	1426	2600	$4.68x10^{-6}$	$2.6x10^{-6}$	55.0 - 60.0	10^{6} - 10^{11}	Potting
	8	Powder	1426	2600	$4.68x10^{-6}$	$2.6x10^{-6}$	76.0 - 101.5	10^{10} - 10^{11}	Potting
	10	Powder	1316	2400	$9.0x10^{-6}$	$5.0x10^{-6}$	55.0 - 63.0	10^{8} - 10^{11}	Potting
	12	Powder	1204	2200	$5.58x10^{-6}$	$3.1x10^{-6}$	76.0 - 80.0	10^{8} - 10^{10}	Embedding, Potting, Encapsulation
	13	Powder	1426	2600	$4.68x10^{-6}$	$2.6x10^{-6}$	55.0 - 60.0	10^{6} - 10^{11}	Potting
	16-2L	Powder	1100	2012	$9.0x10^{-6}$	$5.0x10^{-6}$	55.0 - 63.0	-	Potting
	DW30	Powder	482	900	$8.46x10^{-6}$	$4.7x10^{-6}$	-	10^{8} - 10^{10}	Embedding, Potting (where expansion on cure is required)
	29	Powder	843	1550	$8.28x10^{-6}$	$4.6x10^{-6}$	25.0 - 51.0	10^{7} - 10^{9}	Embedding, Coating, Insulating, Sealing (suitable for cryogenic conditions)
	31	Powder	954	1750	$11.3x10^{-6}$	$6.5x10^{-6}$	5.0 - 7.0	10^{9} - 10^{11}	Assembly, Sealing, Insulating, Bonding
	32	Powder	1100	2012	$3.8x10^{-6}$	$6.9x10^{-6}$	35.0	-	Potting, Sealing, Bonding
	33/S	Powder	827	1600	$17.06x10^{-6}$	$9.48x10^{-6}$	37.0 - 44.0	10^{7} - 10^{9}	Assembly, Sealing
	315	Powder	954	1750	$11.3x10^{-6}$	$6.5x10^{-6}$	12.5 - 38.0	10^{9} - 10^{11}	Assembly, Sealing, Insulating, Bonding
HYDRAULIC SETS	76	Powder	1427	2600	$11.7x10^{-6}$	$6.5x10^{-6}$	50.0 - 60.0	-	Coating, Bonding, Casting

General rule of thumb:

Air sets are for thin layer applications (these can be built up over time with subsequent layers if necessary)

Chemical and Hydraulic sets are for thicker layers or possibly even shaping/forming

Simple questions:

1. **What degree of temperature tolerance is required?**
2. **What substrates are to be bonded?**
3. **What electrical properties are required?**
4. **What thermal expansion properties are required?**
5. **What is the application type?**