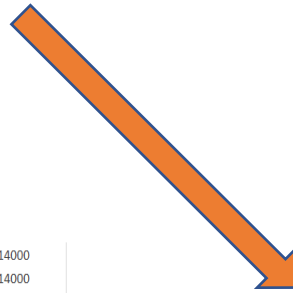
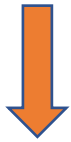
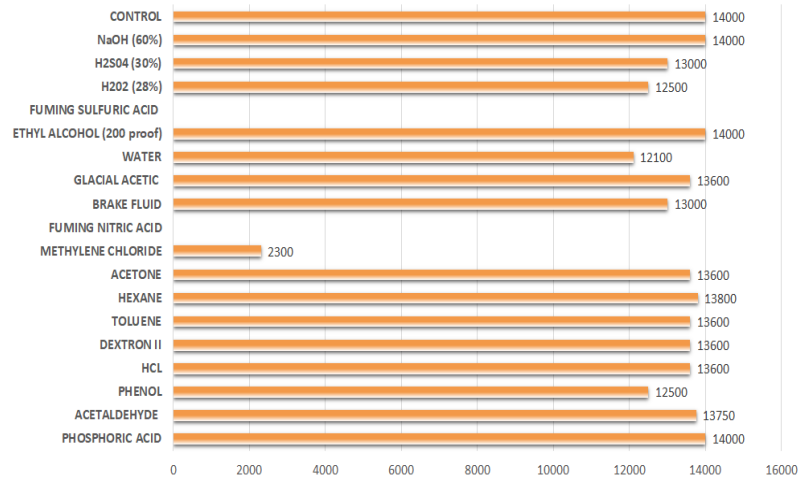


# OXPEKK® Powder Coatings

OXPEKK® Powder Coating solutions deposit the highest performing thermoplastic onto any suitable substrate by standard powder coating processes



## Chemical Resistance



Tensile Strength (psi -ASTM D638) -T/I 60/40 (molded) - Immersion (7 Days, RT)

## Physical Properties

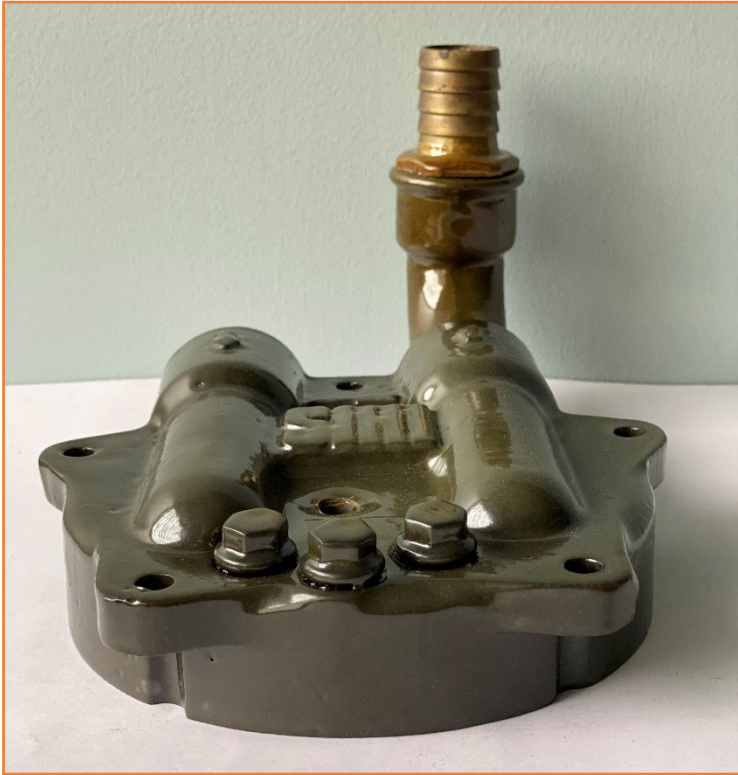
Property	Test Method	Nominal Value	Property	Test Method	Nominal Value
Specific Gravity, g/cm <sup>3</sup>	ASTM D792	1.28	ELECTRICAL @ .125 Inch		
MECHANICAL <sup>1</sup>			Dielectric Strength	ASTM D149	600
Tensile Strength (Break), Kpsi	ASTM D638	13	Dielectric Constant @ 1KHz	ASTM D150	3.3
Tensile Modulus, Mpsi	ASTM D638	0.5	Volume Resistivity, ohm-cm	ASTM D257	1.00E+16
Elongation (Break), %	ASTM D638	80	Surface Resistivity, ohm	ASTM D257	2.00E+16
Flexural Strength @ 5% strain, Kpsi	ASTM D790	20	Dissipation Factor @ 1 KHz	ASTM D150	4.00E-03
Flexural Modulus, Mpsi	ASTM D790	0.49	ELECTRICAL @ 5 Mil		
Compressive Strength, Kpsi	ASTM 695	15	Dielectric Strength	ASTM D149	1900
Coefficient of Friction, Static	ASTM D1894	0.285	Dielectric Constant @ 1KHz	ASTM D150	2.1
Hardness, Rockwell M	ASTM D785	86	Volume Resistivity, ohm-cm	ASTM D257	1.0E+16
THERMAL			Surface Resistivity, ohm	ASTM D257	2.0E+16
Tm-Melting Point, °F (°C)	DSC	577 (303)	Dissipation Factor @ 1 KHz	ASTM D150	0.001
Tg-Glass Transition, °F (°C)	DSC	310 (155)			
Flammability Rating	UL94	V-0			
Thermal Conductivity, BTU-in/Hr ft <sup>2</sup> F	ASTM C177	1.75			
CTE (<Tg), 10-6/°F	ASTM D696	42.8			

## Adhesion and Bonding

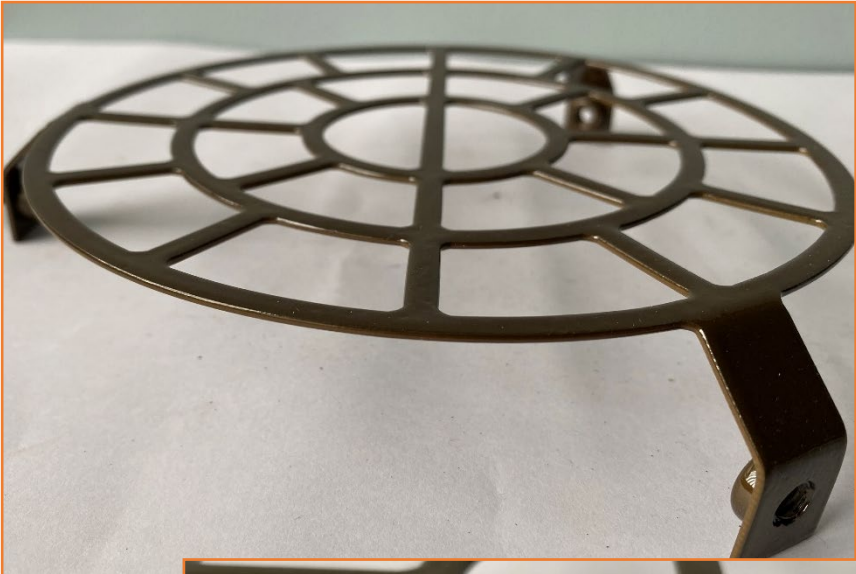
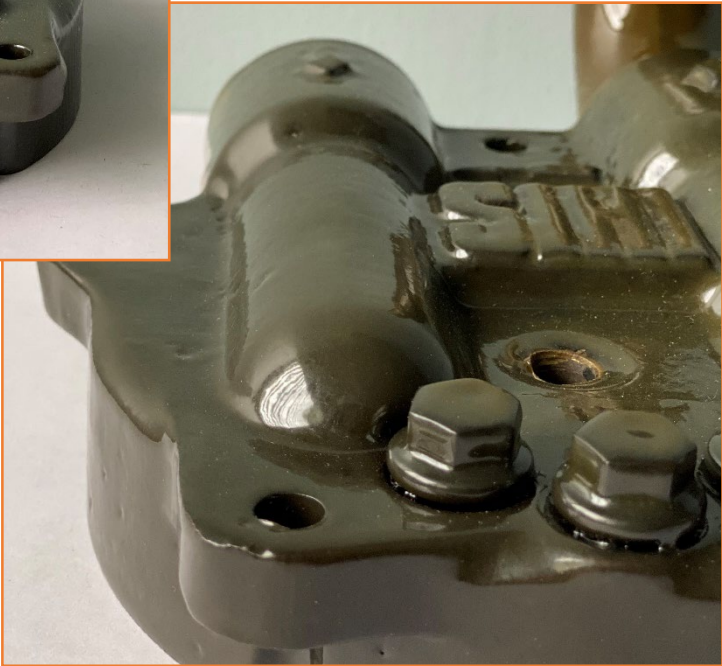


Unlike most thermoplastics, PEKK's surface characteristics enable tenacious bonding to substrates

# OXPEKK® Powder Coating: Sample Images



OXPEKK® Powder Coating on Cast Iron



OXPEKK® Powder Coating on Stamped Steel