

**Xtel® XK2340**

PPS-GF

Chevron Phillips Chemical Co. LP

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Thermal conductivity of melt	0.23	W/(m K)	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	195	MPa	ISO 527
Flexural modulus, 23°C	12000	MPa	ISO 178
Izod impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	186	MPa	ASTM D 638
Compressive Strength	248	MPa	ASTM D 695
Flexural Modulus	12410	MPa	ASTM D 790
Flexural Strength	248	MPa	ASTM D 790
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	55	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	243	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	21.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.01	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Arc Resistance	100	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1560	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1560	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa