

**Xtel® XE5030BL**

PPS-GF

Chevron Phillips Chemical Co. LP

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
Thermal conductivity of melt	0.26	W/(m K)	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	135	MPa	ISO 527
Flexural modulus, 23°C	9000	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	124	MPa	ASTM D 638
Compressive Strength	207	MPa	ASTM D 695
Flexural Modulus	8963	MPa	ASTM D 790
Flexural Strength	193	MPa	ASTM D 790
Izod Impact notched, 1/8 in	101	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	747	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	250	°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	60	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	252	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	100	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.009	-	ASTM D 150
Dielectric Constant, 1 MHz	3.6	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	120	s	ASTM D 495
<b>Other properties</b>			
Density	1510	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.05	%	ASTM D 570
Density	1510	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Pellets, Black

**Features**

Low Odor

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Regional Availability**

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