

**Osterlene® PPC04-SHI**

PP

Osterman's Engineered Polymers Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1380	MPa	ISO 527
Yield stress	26.3	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Flexural modulus, 23°C	1320	MPa	ISO 178
Charpy notched impact strength, +23°C	14.1	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	4.41	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	42	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	3.78	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-40	°C	-
<b>ASTM Data</b>			
Tensile Strength at Yield	26.1	MPa	ASTM D 638
Elongation at Yield	5.5	%	ASTM D 638
Izod Impact notched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	97.2	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	900	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Other Extrusion, Thermoforming

**Applications**

Toys

**Special Characteristics**

High impact or impact modified

**Regional Availability**

North America

**Features**

Copolymer, Impact Copolymer