

**TIPPLEN K 199**

PP

MOL Petrochemicals Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>30</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>1350</b>	MPa	ISO 527
Yield stress	<b>26</b>	MPa	ISO 527
Yield strain	<b>5</b>	%	ISO 527
Flexural modulus, 23°C	<b>1400</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>4</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-20</b>	°C	-
Rockwell hardness	<b>R 87</b>	-	ISO 2039-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>105</b>	°C	ISO 75-1/-2
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	<b>190 - 240</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified

**Features**

Low Odor, Copolymer, Impact Copolymer

**Certifications**

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, RoHS compliant

**Applications**

Automotive, Electrical and Electronical, Packaging

**Regional Availability**

Europe