

**Mosten® GB 005**

PP

ORLEN Unipetrol RPA s.r.o.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>5</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>1.8</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>2.0</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>1500</b>	MPa	ISO 527
Yield stress	<b>34</b>	MPa	ISO 527
Yield strain	<b>9</b>	%	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Flexural modulus, 23°C	<b>1600</b>	MPa	ISO 178
Tensile creep modulus, 1h	<b>1000</b>	MPa	ISO 899-1
Tensile creep modulus, 1000h	<b>400</b>	MPa	ISO 899-1
Charpy notched impact strength, +23°C	<b>4</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	<b>65</b>	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>170</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>55</b>	°C	ISO 75-1/-2

**Characteristics****Processing**

Injection Molding, Thermoforming

**Delivery form**

Pellets, Natural Color

**Features**

Homopolymer

**Chemical Resistance**

General Chemical Resistance

**Certifications**

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

**Applications**

General Purpose

**Regional Availability**

Europe