

**Product Texts**

Topester™ 445RM is completely recyclable.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at break	26	MPa	ISO 527
Strain at break	690	%	ISO 527
Flexural modulus	100	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	45	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	210	°C	ISO 11357-1/-3
Vicat softening temperature, A	155	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1150	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	3 - 5	h	-
Mold temperature	20 - 60	°C	-
Zone 1	180 - 200	°C	-
Zone 2	210 - 240	°C	-
Zone 3	210 - 240	°C	-
Nozzle temperature	210 - 240	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	3 - 5	h	-
Zone 1	180 - 200	°C	-
Zone 2	210 - 240	°C	-
Zone 3	210 - 240	°C	-

**Characteristics**

**Processing**  
Injection Molding, Other Extrusion

**Applications**  
Automotive

**Delivery form**  
Pellets, Natural Color

**Regional Availability**  
Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat