

Mosten® TB 002

PP

ORLEN Unipetrol RPA s.r.o.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	9	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Charpy notched impact strength, +23°C	6.5	kJ/m ²	ISO 179/1eA
Shore D hardness	66	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	170	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Vicat softening temperature, B	155	°C	ISO 306

Characteristics**Delivery form**

Pellets, Natural Color

Features

Homopolymer

Chemical Resistance

General Chemical Resistance

Certifications

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

Regional Availability

Europe