

Mosten® GB 504

PP

ORLEN Unipetrol RPA s.r.o.

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	26	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Tensile creep modulus, 1h	800	MPa	ISO 899-1
Tensile creep modulus, 1000h	350	MPa	ISO 899-1
Charpy notched impact strength, +23°C	50	kJ/m ²	ISO 179/1eA
Shore D hardness	64	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	168	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	200 - 280	°C	-
Mold temperature	20 - 60	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion, Blow Molding, Thermoforming

Delivery form

Pellets, Natural Color

Features

Nucleated, Copolymer

Chemical Resistance

General Chemical Resistance

Certifications

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

Applications

General Purpose

Regional Availability

Europe