Mosten® MB 720

PP — ORLEN Unipetrol RPA s.r.o.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**18**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**2.0**	%	ISO 294-4, 2577
Molding shrinkage, normal	**2.2**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1100**	MPa	ISO 527
Yield stress	**21**	MPa	ISO 527
Yield strain	**5**	%	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**1050**	MPa	ISO 178
Tensile creep modulus, 1h	**760**	MPa	ISO 899-1
Tensile creep modulus, 1000h	**300**	MPa	ISO 899-1
Charpy notched impact strength, +23°C	**45**	kJ/m²	ISO 179/1eA
Shore D hardness	**60**	-	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	**52**	°C	ISO 75-1/-2
Vicat softening temperature, B	**145**	°C	ISO 306

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

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Natural Color

Special Characteristics
High impact or impact modified

Features
Nucleated, Copolymer

Chemical Resistance
General Chemical Resistance

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

Applications
Packaging

Regional Availability
Europe