

Mosten® GH 001

PP

ORLEN Unipetrol RPA s.r.o.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1450	MPa	ISO 527
Yield stress	34	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Tensile creep modulus, 1h	1200	MPa	ISO 899-1
Tensile creep modulus, 1000h	600	MPa	ISO 899-1
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Shore D hardness	65	-	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

Characteristics**Processing**

Pipe/Tube Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Blow Molding

Delivery form

Pellets, Natural Color

Features

Homopolymer

Chemical Resistance

General Chemical Resistance

Certifications

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

Applications

General Purpose

Regional Availability

Europe