



Malen E FGAN 18-D003 (PE-LD)

Orlen S.A.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.28	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	220	MPa	ISO 527
Yield stress	10	MPa	ISO 527
Shore Hardness D (15s)	50	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	111	°C	ISO 11357-1/-3
Vicat softening temperature A	93	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	921	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum strain, parallel	360	%	ISO 527-3
Maximum strain, normal	460	%	ISO 527-3
Dynamic Coefficient of Friction	0.6	-	ISO 8295
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	50	-	ASTM D 2457
Haze	10	%	ASTM D 1003

Characteristics

Processing

Blow Molding, Blown Film Extrusion

Delivery form

Pellets

Special Characteristics

Impact modified

Features

Low Gel

Chemical Resistance

Oxidation Resistance

Certifications

Food approval

Applications

Building Construction, Packaging