

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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