

Lupolen 1840D (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.25	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	200	MPa	ISO 527
Yield stress	9	MPa	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	108	°C	ISO 11357-1/-3
Vicat softening temperature A	93	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	919	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum strain, parallel	200	%	ISO 527-3
Maximum strain, normal	500	%	ISO 527-3
Dynamic Coefficient of Friction	0.8	-	ISO 8295
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	10	-	ASTM D 2457
Haze	15	%	ASTM D 1003

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	170 - 220	°C	-

Characteristics

Processing

Film Extrusion, Blown Film Extrusion

Features

Melt Strength

Delivery form

Pellets

Applications

General Purpose, Packaging