

Lupolen 1800 S (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	20	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	160	MPa	ISO 527
Yield stress	8	MPa	ISO 527
Shore Hardness D (15s)	45	-	ISO 868
Ball Indentation Hardness	13	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	106	°C	ISO 11357-1/-3
Vicat softening temperature A	81	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	917	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	180 - 230	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Impact modified

Certifications

Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)

Applications

Packaging, Sports Equipment