

Lupolen 1817 H/01 (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	1.8	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	165	MPa	ISO 527
Tensile Strength	12	MPa	ISO 527
Strain at Break	90	%	ISO 527
Shore Hardness D (15s)	45	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	110	°C	ISO 11357-1/-3
Burning Behav. at thickness h	V-2	class	UL 94
Thickness tested	0.8	mm	-
Glow Wire (GWFI, Flammability Index)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1	mm	-

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	980	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	180 - 220	°C	-
Mold temperature	20 - 40	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Applications

Automotive, Building Construction, Electrical and Electronical

Special Characteristics

Flame retardant