

Lupolen 4261 AG
(PE-HD)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	6	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	21.6	kg	-
Density, 73°F	945	kg/m³	ASTM D 792

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	6	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	900	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural Modulus (23°C)	1100	MPa	ISO 178
ASTM Data			
Tensile Strength at Yield	23.1	MPa	ASTM D 638
Elongation at Break	600	%	ASTM D 638
Flexural Modulus	1070	MPa	ASTM D 790

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	131	°C	ISO 11357-1/-3
Vicat softening temperature A	126	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	945	kg/m³	ISO 1183
Bulk density	500	kg/m³	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	180 - 240	°C	-

Characteristics
Processing

Other Extrusion, Blow Molding, Thermoforming

Delivery form

Pellets

Special Characteristics

Impact modified

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oxidation Resistance

Applications

Automotive