

Lupolen 4261 AG UV60005
(PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.35	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	850	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Yield strain	10	%	ISO 527
Ball Indentation Hardness	40	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	130	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	42	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	70	°C	ISO 75-1/-2
Vicat softening temperature A	125	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	75	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	945	kg/m³	ISO 1183
Intrinsic Viscosity	3.7	dl/g	-
Bulk density	500	kg/m³	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	180 - 220	°C	-

Characteristics
Processing

Other Extrusion, Blow Molding

Delivery form

Pellets

Special Characteristics

Impact modified, UV stablized

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oil Resistance, Oxidation Resistance

Applications

Packaging