

Lupolen 5261ZS (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	2	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1000	MPa	ISO 527
Yield stress	26	MPa	ISO 527
Yield strain	9	%	ISO 527
Ball Indentation Hardness	47	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	133	°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)	74	°C	ISO 75-1/-2
Vicat softening temperature A	130	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	78	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	951	kg/m³	ISO 1183
Intrinsic Viscosity	4.75	dl/g	-
Bulk density	460	kg/m³	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	190 - 220	°C	-

Characteristics

Processing

Other Extrusion, Blow Molding

Delivery form

Powder

Special Characteristics

Impact modified

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oxidation Resistance

Applications

Packaging