

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/m ³	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/m ³	ISO 1183
Bulk density	500	kg/m ³	-

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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