

Hostalen 5231H (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	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1100	MPa	ISO 527
Yield stress	25	MPa	ISO 527
Yield strain	10	%	ISO 527
Notched Impact Strength (Charpy), +23 °C	10.4	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30 °C	5.3	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	70	-	ISO 868
Ball Indentation Hardness	50	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50 °C/h 50N	74	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	952	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	170 - 220	°C	-

Characteristics

Processing

Injection Molding, Compression Molding

Certifications

Food approval

Chemical Resistance

Environmental Stress Crack Resistance

Applications

Packaging

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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