

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