

Lupolen 5021DX (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.25	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1000	MPa	ISO 527
Yield stress	25	MPa	ISO 527
Yield strain	9	%	ISO 527
Notched Impact Strength (Charpy), -30°C	6	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness	45	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	131	°C	ISO 11357-1/-3
Vicat softening temperature A	128	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	78	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	950	kg/m ³	ISO 1183
Bulk density	500	kg/m ³	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	170 - 200	°C	-

Characteristics

Processing

Other Extrusion, Blow Molding

Delivery form

Pellets

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oxidation Resistance

Applications

Automotive, Packaging