

Hostalen ACP 5231 D (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.3	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	8	%	ISO 527
Notched Impact Strength (Charpy), -30°C	6	kJ/m²	ISO 179/1eA
Shore Hardness D (15s)	62	-	ISO 868
Ball Indentation Hardness	51	MPa	ISO 2039-1

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	952	kg/m³	ISO 1183

Characteristics

Processing

Other Extrusion, Blow Molding

Delivery form

Pellets

Special Characteristics

Impact modified

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oxidation Resistance

Certifications

Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)

Applications

Packaging, Sports Equipment