

Hostalen ACP 5831 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	1350	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	7.5	%	ISO 527
Notched Impact Strength (Charpy), -30°C	6.5	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	64	-	ISO 868
Ball Indentation Hardness	60	MPa	ISO 2039-1

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	958	kg/m ³	ISO 1183

Characteristics

Processing

Other Extrusion, Blow Molding

Delivery form

Pellets

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