

Histif 5431 Z (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	2.6	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	8	%	ISO 527
Notched Impact Strength (Charpy), -30°C	80	kJ/m ²	ISO 179/1eA

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	954	kg/m ³	ISO 1183
Bulk density	500	kg/m ³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	500	cm ³ /g	ISO 307, 1157, 1628

Characteristics

Processing

Blow Molding

Delivery form

Pellets

Special Characteristics

Impact modified

Chemical Resistance

Environmental Stress Crack Resistance, Oxidation Resistance

Certifications

US Pharmacopeia Class VI Approved, Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)

Applications

Packaging