

Hostalen GF 4750 (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	1.5	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1000	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	10	%	ISO 527
Notched Impact Strength (Charpy), +23°C	12	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	5.5	kJ/m²	ISO 179/1eA
Shore Hardness D (15s)	60	-	ISO 868
Ball Indentation Hardness	44	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50°C/h 50N	70	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	950	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, 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