

Hostalen CRP 100 RCD BLACK

(PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.23	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1100	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	9	%	ISO 527
Strain at Break	650	%	ISO 527
Tensile Creep Modulus, 1h	850	MPa	ISO 899-1
Notched Impact Strength (Charpy), +23°C	26	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	13	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	63	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	129	°C	ISO 11357-1/-3
Vicat softening temperature, 50°C/h 50N	74	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	958	kg/m ³	ISO 1183
Bulk density	580	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	190 - 230	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	190 - 230	°C	-

Characteristics

Processing

 Injection Molding, Sheet Extrusion, Compression Molding,
 Pipe/Tube Extrusion

Delivery form

Pellets, Black

Special Characteristics

UV stabilized

Features

Creep Resistance, Thermal Stability, Weldable

Chemical Resistance

 General Chemical Resistance, Environmental Stress Crack
 Resistance, Hydrolysis

Certifications

Food approval, Water contact

Applications

Building Construction