

CirculenRecover HD5603 Grey (PE-HD)

LyondellBasell Industries

CirculenRecover HD5603 Grey contains at least 98% of recycled material.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.4	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Yield strain	9	%	ISO 527
Notched Impact Strength (Charpy), -30°C	2.5	kJ/m ²	ISO 179/1eA

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	956	kg/m ³	ISO 1183
Bulk density	500	kg/m ³	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	180 - 210	°C	-

Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Blow Molding

Delivery form

Pellets

Chemical Resistance

Oxidation Resistance

Certifications

Recycled Resin Content

Applications

General Purpose, Packaging