

Clyrell EC2458

PP RANDOM

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	30	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Density, 73°F	902	kg/m³	ASTM D 792

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	40.5	cm³/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt Flow Index, MFI	30	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	850	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Yield strain	18	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	20	kJ/m²	ISO 179/1eA
Ball Indentation Hardness	28	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	60	°C	ISO 75-1/-2
Vicat softening temperature A	114	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	52	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m³	ISO 1183

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	20	%	ASTM D 1003

Characteristics

Processing

Injection Molding

Special Characteristics

Impact modified, Transparent

Features

Blush Resistance/Low Crease Whitening, Copolymer, Impact Copolymer, Random Copolymer

Applications

Sports Equipment