

**Clyrell EC2458**  
PP RANDOM

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index	30	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Density, 73°F	902	kg/m <sup>3</sup>	ASTM D 792

Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	40.5	cm <sup>3</sup> /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
<b>ISO Data</b>			
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/m <sup>2</sup>	ISO 179/1eA
Ball Indentation Hardness	28	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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
<b>ISO Data</b>			
Density	900	kg/m <sup>3</sup>	ISO 1183

Optical Properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
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

**Disclaimer**

**Liability Exclusion**

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