

Clyrell EC140R

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	40.5	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
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
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Ball indentation hardness	28	MPa	ISO 2039-1
Thermal properties			
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, B	52	°C	ISO 306
Optical properties			
ASTM Data			
Haze	20	%	ASTM D 1003
Other properties			
Density	900	kg/m ³	ISO 1183
Density	902	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified, Transparent

Features

Blush Resistance/Low Crease Whitening, Copolymer, Random Copolymer

Certifications

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

Applications

Sports Equipment

Regional Availability

Europe, Asia Pacific, Near East/Africa