

Clyrell RC449S

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	42	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	1250	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	11.5	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	75	°C	ISO 75-1/-2
Optical properties			
ASTM Data			
Gloss	137	-	ASTM D 2457
Haze	6	%	ASTM D 1003
Other properties			
Density	900	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	190 - 230	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static, High impact or impact modified, Transparent

Features

Nucleated, 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, Near East/Africa