

Clyrell EC340R

Polypropylene
LyondellBasell Industries

Message:

Clyrell EC340R is a clarified polyolefinic resin designed for injection moulding applications. Clyrell EC340R combines the aesthetic properties of a random with the impact-stiffness property of a heterophasic copolymer.

Clyrell EC340R features is a high impact resistance at room and sub-zero temperature, good transparency and good resistance to stress whitening

Clyrell EC340R can be used in clear impact container for food or non food applications, toys, housewares.

General Information			
Additive	Clarifier		
Features	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Containers		
	Food Containers		
	Household Goods		
	Sporting Goods		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1180	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	12	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-20°C	2.0	kJ/m ²	ISO 179
0°C	3.1	kJ/m ²	ISO 179/1eA
23°C	6.1	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-48.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	123	°C	ISO 306/A50

--	57.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	32	%	ASTM D1003

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