

# Clyrell EC5082

Polypropylene  
LyondellBasell Industries

Message:

Clyrell EC508 is a specially designed nucleated polypropylene copolymer, with low stress whitening, low shrinkage, high gloss, and good stiffness impact balance. Typical customer applications are toys, sports and leisure goods, containers, housewares, consumer goods, and base resin for compounding for parts of automotive, electrical and electronic appliances.

General Information		
Additive	Nucleating agent	
Features	Nucleated	
	Rigid, good	
	Highlight	
	Impact resistance, good	
	Low shrinkage	
Uses	Electrical/Electronic Applications	
	Electrical appliances	
	Composite	
	Household goods	
	Application in Automobile Field	
	Container	
	Sporting goods	
	Toys	
	Consumer goods application field	
Processing Method	Composite	
	Injection molding	
Physical	Nominal Value	Unit
Density	0.900	g/cm <sup>3</sup>
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min
Hardness	Nominal Value	Unit
Rockwell Hardness (R-Scale)	50	
Mechanical	Nominal Value	Unit
Tensile Strength (Yield)	22.0	MPa
Tensile Elongation (Yield)	11	%
Flexural Modulus	1080	MPa
Impact	Nominal Value	Unit
Notched Izod Impact		

-20°C	40	J/m
23°C	150	J/m
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C

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