Technical Data Sheet

Clyrell EC348P

Polypropylene, Specialty Products

Product Description

Clyrell EC348P is a clarified and antistatic formulated polyolefin designed for injection molding applications that combines the typical advantages of polypropylene random and impact copolymers. *Clyrell* EC348P features excellent transparency, very high gloss combined with a good stiffness/impact strength balance.
Customers typically use *Clyrell* EC348P to produce clear, shock-resistant food and non-food containers and houseware articles.

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe
Application	Clear Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	High Gloss; Impact Copolymer; Low Shrinkage; Medium Flow; Medium Impact Resistance; Medium Stiffness; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	1	kJ/m²	ISO 179
Ductile/Brittle Transition Temperature	-5	°C	ISO 6603-2
Thermal			
Vicat Softening Temperature, (A50)	128	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	15	%	ASTM D1003