Technical Data Sheet

Clyrell EC390T

Polypropylene, Specialty Products

Product Description

Clyrell EC390T is a high flow clarified polyolefinic resin used in injection moulding applications.
Clyrell EC390T features a good impact resistance at room and sub-zero temperature, high gloss and good resistance to stress whitening.
Clyrell EC390T is typically used by customers in clear impact container, toys, housewares

Regulatory Status

For regulatory compliance information, see *Clyrell* EC390T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

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; TWIM Food Containers; TWIM Non-food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	High Flow; High Gloss; Low Shrinkage; Medium Impact Resistance; Medium Stiffness; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	45	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	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)	6	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m²	ISO 179
Ductile/Brittle Transition Temperature	<-50	°C	ISO 6603-2
Optical			
Haze, (1 mm - injection molded disc)	30	%	ASTM D1003

Notes

These are typical property values not to be construed as specification limits.