

Clyrell EC390T

Polypropylene
LyondellBasell Industries

Message:

The commercial grade Clyrell EC390T is a clarified polyolefinic resin designed for injection moulding applications. Clyrell EC390T features is a high impact resistance at room and sub-zero temperature, good transparency and good resistance to stress whitening. Due to reduced cycle times, Clyrell EC390T enables energy savings and improved productivity . Clyrell EC390T can be used in clear impact container for food or non food applications, toys, housewares. The product is not intended for medical and pharmaceutical applications.

General Information			
Additive	Clarifier		
Features	Fast Molding Cycle		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Medium Clarity		
	Stress Whitening Resistant		
Uses	Containers		
	Food Containers		
	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	45.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	23.0	MPa	
Break	15.0	MPa	
Tensile Strain			ISO 527-2
Yield	13	%	
Break	> 50	%	
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m²	
0°C	4.0	kJ/m²	

23°C	6.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Ductile / Brittle Transition Temperature	< -50.0	°C	ISO 6603-2
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	30	%	ASTM D1003

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