

Polifor® CL12 GF/15 V0-H

Polypropylene
Celanese Corporation

Technical Data			
Product Description			
Polypropylene, copolymer, 15% glass fiber reinforced, chemically coupled, heat stabilised, UL listed V0			
General			
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant	• Flame Retardant	
Features	• Flame Retardant	• Flame Retardant	• Good Heat Resistance
Processing Method	• Injection Molding		
Physical			
	Nominal Value Unit		Test Method
Density	1.36 g/cm³		ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5 g/10 min		ISO 1133
Mechanical			
	Nominal Value Unit		Test Method
Tensile Stress (Break)	45.0 MPa		ISO 527-2/1A/5
Flexural Modulus (23°C)	4500 MPa		ISO 178
Impact			
	Nominal Value Unit		Test Method
Charpy Notched Impact Strength (23°C)	11 kJ/m²		ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45 kJ/m²		ISO 179/1eU
Notched Izod Impact Strength (23°C)	11 kJ/m²		ISO 180/1A
Flammability			
	Nominal Value Unit		Test Method
Flame Rating			UL 94
1.5 mm	V-0		
3.2 mm	V-0		
Injection			
	Nominal Value Unit		
Drying Temperature	80 to 100 °C		
Drying Time	2.0 to 3.0 hr		
Rear Temperature	190 to 210 °C		
Middle Temperature	200 to 220 °C		
Front Temperature	210 to 230 °C		
Nozzle Temperature	210 to 230 °C		
Mold Temperature	50 to 80 °C		