

# Resirene HF 555

General Purpose Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene HF 555 is a high flow GPPS and is excellent over intricated molds and thin walls applications. It is optimus for high injection molding cycles.

General Information			
UL YellowCard	E85100-251674		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	High Flow		
Uses	Cups		
	Thin-walled Parts		
	Toys		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength (Break)	33.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (12.7 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	74.0	°C	ASTM D648
Vicat Softening Temperature	81.0	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating (1.52 mm)	HB	UL 94	
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Rear Temperature	160 to 170	°C	
Middle Temperature	170 to 180	°C	
Front Temperature	180 to 190	°C	

Nozzle Temperature	200 to 210	°C
Processing (Melt) Temp	170 to 230	°C
Mold Temperature	40.0	°C

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