

# SUPREME PP SP5665

Polypropylene  
Supreme Petrochem Ltd.

Message:

- Characteristics:
- Ignition Resistant - UL94 V2 rated
  - Easy flow & good impact properties
  - Low specific gravity
  - Free of DBDPO, PBDE & TBBA complies with RoHS directive of EU
- Applications:
- Electrical enclosures
  - Electrical distribution components, fuse carriers, enclosures
  - Domestic appliance housing
  - Capacitor canisters
  - Storage battery containers

General Information			
UL YellowCard	E185934-100064901		
Features	Flame Retardant		
	Good Flow		
	Good Impact Resistance		
	Halogen Free		
	Ignition Resistant		
	Low Density		
Uses	Appliance Components		
	Battery Cases		
	Electrical Housing		
	Electrical Parts		
	Electrical/Electronic Applications		
	Housings		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, 3.20 mm, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, 3.20 mm, Injection Molded)	10	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	1000	MPa	ASTM D790

Flexural Strength (23°C, 3.20 mm, Injection Molded)	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ASTM D1525 <sup>3</sup>
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Processing (Melt) Temp	< 250	°C	
Mold Temperature	40.0 to 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Melt Temperature	< 250	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Rate B (120°C/h), Loading 2 (50 N)		

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#### Recommended distributors for this material

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