

# SUPREME PP SPEXP55

Polypropylene  
Supreme Petrochem Ltd.

Message:

- Characteristics:
- Ignition Resistant - UL94 V2 rated
  - Easy flow & good impact properties
  - Low specific gravity
  - Available in gray color
- Applications:
- Electrical enclosures
  - Electrical distribution components, fuse carriers, enclosures
  - Railway Fan Parts

General Information			
Features	Flame Retardant		
	Good Flow		
	Good Impact Resistance		
	Ignition Resistant		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
Appearance	Grey		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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)	2200	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	75.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating		UL 94
--	V-2	
1.60 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	1.0 to 2.0	hr
Processing (Melt) Temp	< 250	°C
Mold Temperature	40.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	1.0 to 2.0	hr
Melt Temperature	< 250	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

