

# RheTech Thermoplastic Polyolefin

## FT5250-650UV

Polyolefin

RheTech, Inc.

### Message:

Thermoplastic Polyolefin, 250K Flexural Modulus, UV Stabilized, Exterior 848 Black

General Information			
Filler / Reinforcement	Filler, 28% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.0	MPa	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Dart Drop Impact	18.1	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	90.6	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	65.6 - 82.2	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	204 - 232	°C	
Middle Temperature	210 - 238	°C	
Front Temperature	216 - 243	°C	
Nozzle Temperature	221 - 232	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	2.76 - 10.3	MPa	

Holding Pressure	2.07 - 8.27	MPa
Back Pressure	0.345 - 1.03	MPa
Injection instructions		

Injection Speed: Variable -- Application Dependent Screw RPM: Recovery 3 seconds before mold opens Cycle Time: Wall Thickness Dependent

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

