

## Technical Data Sheet

**Polyflam RIPP 3125 BLK**

Polypropylene Copolymer

**Product Description**

25% talc filled flame retardant PP copolymer compound without PBDE

**Processing Method** Injection Molding**Attribute** Copolymer**Additive** Flame Retardant**Filler/Reinforcement** Talc, 25%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (230 °C/2.16 kg)	12	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.40	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	17.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	2.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2400	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10	kJ/m <sup>2</sup>	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	2.0	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	37	kJ/m <sup>2</sup>	ISO 179
(-30 °C, Type 1, Edgewise)	13	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Pressure Test, (100 °C)	Pass		IEC 60695-10-2
<b>Thermal</b>			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	58.0	°C	ISO 306
(A (10N), 120 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	97.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	57.0	°C	ISO 75-2/A
<b>Electrical</b>			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	600	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093

**Flammable**

Glow Wire Flammability Index		
(1.5 mm)	960 °C	IEC 60695-2-12
(3.0 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature		
(1.5 mm)	675 °C	IEC 60695-2-13
(3.0 mm)	675 °C	IEC 60695-2-13
Oxygen Index	27 %	ISO 4589-2
<b>UL Information</b>		
Flammability Classification, (1.6 mm)	V-0	IEC 60695-11-10, -20