

Technical Data Sheet

**Polyflam 15A4201DG2A481GRY**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

Polyflam 15A4201DG2A481GRY is a Polypropylene, Unspecified Talc, 20% filled material.

<b>Forms</b>	Pellets
<b>Appearance</b>	Colors Available
<b>Additive</b>	Flame Retardant
<b>Filler/Reinforcement</b>	Talc, 20%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.37	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	20.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	2410	MPa	ASTM D790
<b>Impact</b>			
Gardner Impact	7.91	J	ASTM D5420
Notched Izod Impact	53	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	68.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	116	°C	ASTM D648
RTI Str	105	°C	UL 746B
<b>UL Information</b>			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	5VA		UL 94

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°C
Nozzle Temperature	182 to 227	°C
Screw Speed	20 to 60	rpm
Front Temperature	182 to 227	°C
Middle Temperature	182 to 204	°C
Rear Temperature	182 to 204	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C