

Technical Data Sheet

Polyflam 15A4201DCBLK

Polypropylene, Unspecified (PP, Unspecified)

Product Description*Polyflam 15A4201DCBLK* is a Polypropylene, Unspecified Talc, 20% filled material.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.37	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	20.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	2410	MPa	ASTM D790
Impact			
Gardner Impact	7.91	J	ASTM D5420
Notched Izod Impact	53	J/m	ASTM D256
Thermal			
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
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	5VA		UL 94

Injection Parameters	Nominal Value	Units
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