

Technical Data Sheet

Polyflam 15A4201DT3082WHI



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyflam 15A4201DT3082WHI 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 |