

Technical Data Sheet

Polyflam RPP 1058 X-1203 WHI



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP Unfilled Flame Retardant PBDE-Free

Additive Flame Retardant

| Typical Properties | Nominal Value | Units | Test Method |
|--|----------------------|-------------------|--------------------|
| Physical | | | |
| Density - Specific Gravity | 1 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield, (50 mm/min) | 31.0 | MPa | ASTM D638 |
| Flexural Modulus, (1.3 mm/min) | 1600 | MPa | ASTM D790 |
| Tensile Elongation at Break, (50 mm/min) | 80 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact | 45 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 52 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 95 | °C | ASTM D648 |
| Additional Information | | | |
| Filler Content | 4.5 | % | ASTM D5630 |
| UL Information | | | |
| Flame Rating | V-2 | | UL 94 |

| Injection Parameters | Nominal Value | Units |
|-----------------------------|----------------------|--------------|
| Drying Time | 4 | hr |
| Drying Temperature | 82 | °C |
| Nozzle Temperature | 177 to 218 | °C |
| Processing (Melt) Temp | 177 to 218 | °C |
| Front Temperature | 177 to 218 | °C |
| Middle Temperature | 177 to 204 | °C |
| Rear Temperature | 177 to 204 | °C |
| Injection Rate | Slow-Moderate | |
| Back Pressure | <0.689 | MPa |
| Mold Temperature | 32 to 66 | °C |
| Cushion | 6.35 to 12.7 | mm |