

**Technical Data Sheet**

***Polyflam RPP 1058-NAT***



Polypropylene, Homopolymer

**Product Description**

Homopolymer polypropylene flame retardant with a V-2 flammability rating.

**Processing Method**            Injection Molding

**Additive**                        Flame Retardant

<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)	4.0 to 7.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.95	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (50 mm/min)	30.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	1200	MPa	ASTM D790
Tensile Elongation at Break, (50 mm/min)	200	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact	30	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	55	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	95	°C	ASTM D648
RTI Elec, (0.8 to 3.0 mm)	105	°C	UL 746B
RTI Imp, (0.8 to 3.0 mm)	105	°C	UL 746B
RTI Str, (0.8 to 3.0 mm)	105	°C	UL 746B
<b>UL Information</b>			
Flame Rating			
(1.5 mm)	V-2		UL 94
(3.0 mm)	V-2		UL 94
(0.75 mm)	V-2		UL 94