

**Technical Data Sheet**

**Polyflam RPP 1058X Natural**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

PP Unfilled Flame Retardant PBDE-Free

**Additive** Flame Retardant

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Density - Specific Gravity	1	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact	45	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	52	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	95	°C	ASTM D648
<b>Additional Information</b>			
Filler Content	4.5	%	ASTM D5630
<b>UL Information</b>			
Flame Rating	V-2		UL 94

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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