

Technical Data Sheet

Polyflam RPP 1058X-31 BLK

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