

Technical Data Sheet

Polyflam RPP 1058-5965 RED

Polypropylene, Homopolymer

Product Description

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

Processing Method Injection Molding

Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
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 ³	ASTM D792
Mechanical			
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
Impact			
Notched Izod Impact	30	J/m	ASTM D256
Thermal			
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
UL Information			
Flame Rating			
(1.5 mm)	V-2		UL 94
(3.0 mm)	V-2		UL 94
(0.75 mm)	V-2		UL 94