

POLYFLAM® RIPP 2000

Polypropylene Copolymer

A. Schulman Europe

Message:

Unfilled flame retardant PP-Copolymer grade, halogen free acc. DIN VDE 0472 part 815, fulfills french norm NF P 92 - 501/505 class M2

General Information			
UL YellowCard	E86615-100744728	E188844-102210977	
Features	Flame Retardant		
	Good Colorability		
	Halogen Free		
	Low (to None) Phosphorus Content		
UL File Number	E86615		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m²	
23°C	13	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	46	kJ/m²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	78.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	141	°C	ISO 306/A50
--	64.0	°C	ISO 306/B50
Ball Pressure Test (120°C)	Pass		IEC 60695-10-2
RTI Elec			UL 746
1.50 mm	65.0	°C	

3.00 mm	65.0	°C	
RTI Imp			UL 746
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
RTI Str			UL 746
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate			ISO 3795
1.50 mm, Self-Extinguishing	0.0	mm/min	
3.00 mm, Self-Extinguishing	0.0	mm/min	
Flame Rating			
1.50 mm	V-2		UL 94, IEC 60695-11-10, -20
3.00 mm	V-2		UL 94, IEC 60695-11-10, -20
0.750 mm	V-2		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
0.750 mm	960	°C	
1.50 mm	960	°C	
3.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.750 mm	700	°C	
1.50 mm	700	°C	
3.00 mm	700	°C	
Oxygen Index	26	%	ISO 4589-2

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