

POLYFLAM® RIPP 3625 CS1

Polypropylene Copolymer

A. Schulman Europe

Message:

25% mineral filled flame-retardant PP-Copolymer; without PBDE

General Information			
UL YellowCard	E86615-100069800	E188844-102210978	
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Copolymer		
	Copper Contact Stabilized		
	Flame Retardant		
UL File Number	E86615		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP/PE-MD25 FR(17+61)		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	80	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	89.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	137	°C	ISO 306/A50
--	63.0	°C	ISO 306/B50
Ball Pressure Test (105°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			UL 94, IEC 60695-11-10, -20
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	960	°C	
3.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	750	°C	
3.00 mm	750	°C	
Oxygen Index	28	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	40.0 to 80.0	°C	

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