POLYFLAM® RIPP 5000 CC

Polypropylene Copolymer

A. Schulman Europe

Message:

Unfilled flame-retardant PP-Copolymer for extrusion and cable coating with continius use temperature -40°C to 125°C

General Information			
Features	Copolymer Flame retardancy		
Processing Method	Extrusion coating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.50	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	49		DIN 53505
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	11.0	MPa	ISO 527-2/1A/50
Fracture	15.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	27	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	400	%	ISO 527-2/1A/50
Flexural Modulus [1]	650	MPa	ISO 178
Flexural Stress [2]			ISO 178
6.6% strain	13.0	MPa	ISO 178
3.5% strain	12.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m²	ISO 179/1eA
23°C	55	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	55.0	°C	ISO 75-2/B
1.8 MPa, not annealed	45.0	°C	ISO 75-2/Af
Vicat Softening Temperature	83.0	°C	ISO 306/A50

Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flammability Classification			IEC 60695-11-10, -20
0.8 mm	V-2		IEC 60695-11-10, -20
1.6 mm	V-2		IEC 60695-11-10, -20
3.2 mm	V-2		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
0.75 mm	960	°C	IEC 60695-2-12
1.5 mm	960	°C	IEC 60695-2-12
3.0 mm	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
0.75 mm	675	°C	IEC 60695-2-13
1.5 mm	675	°C	IEC 60695-2-13
3.0 mm	675	°C	IEC 60695-2-13
Oxygen Index	27	%	ISO 4589-2

Additional Information
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China