Beetle® PPC130M 9249

Polypropylene Copolymer

Teknor Apex Company (Chem Polymer)

Message:

PPC130M 9249 is a 30% mineral filled, stabilised polypropylene copolymer black compound intended for extrusion applications. It offers reasonable rigidity and high impact strength, combined with good service life durability over a wide temperature range.

General Information			
Additive	heat stabilizer UV stabilizer		
Features	Impact resistance, high Good UV resistance Good liquidity Excellent appearance		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage [1]	0.70 - 1.5	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	3.2	%	ISO 527-2
Fracture	> 150	%	ISO 527-2
Flexural Modulus	1750	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Bending strain-at peak stress	5.0	%	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	40	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	120	°C	ISO 75-2/B
1.8 MPa, not annealed	75.0	°C	ISO 75-2/A
Melting Temperature	169	°C	DSC
Flammability	**Nominal Value**		**Test Method**

Flame Rating (1.50 mm, Teknor Apex test result)	HB	UL 94

Extrusion	Nominal Value	Unit
Drying Temperature	< 60.0	°C
Cylinder Zone 1 Temp.	190 - 220	°C
Cylinder Zone 2 Temp.	190 - 220	°C
Cylinder Zone 3 Temp.	190 - 220	°C
Die Temperature	190 - 220	°C

Extrusion instructions

Maximum Melt temperature 230°CPP materials are not hygroscopic and drying should not normally be necessary.If surface moisture is present on the granules, drying is permissible but temperature should not exceed 60°C to avoid risk of agglomeration.

NOTE

1.	Mould shrinkage is significantly influenced by many factors including wall thickness, gating, moulding shape and processing conditions. The range values given are determined from specimen bar mouldings of 1.5mm to 4mm wall thickness. They are provided as a guide for comparison purposes only and no guarantee should be inferred from their inclusion. (Specimens measured in the dry state, 24 hours after moulding).

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