POLIFOR® 5003/V2-EP

POLIFOR®

Polypropylene, copolymer, UL94 V2, low halogen content, antimony oxide free

Product information

Resin Identification	PP		ISO 1043
Part Marking Code	>PP<		ISO 11469

Rheological properties

Melt mass-flow rate	15	g/10min	ISO 1133
Melt mass-flow rate, Temperature	230	°C	
Melt mass-flow rate, Load	2.16	kg	

Typical mechanical properties

Tensile modulus	1400	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	25	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	6	%	ISO 527-1/-2
Flexural modulus	1400	MPa	ISO 178
Flexural strength	30	MPa	ISO 178
Charpy impact strength, 23°C	>80	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	5	kJ/m²	ISO 179/1eA
Poisson's ratio	0.43[C]		

[C]: Calculated

Thermal properties

Vicat softening temperature, 50°C/h 50N	70	°C	ISO 306

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-2	class	IEC 60695-11-10
Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	3.2	mm	IEC 60695-11-10
UL recognition	yes		UL 94

Physical/Other properties

Density	930	kg/m³	ISO 1183

Characteristics

Additives	Flame retardant

Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

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Revised: 2024-03-28 Source: Celanese Materials Database

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