POLIFOR® 5020/V2-EP

POLIFOR®

Polypropylene, copolymer, UL94 V2, halogen and antimony free.

Product information

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

Rheological properties

Melt mass-flow rate	22	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	290000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	2900	psi	ISO 527-1/-2
Flexural modulus	276000	psi	ISO 178
Charpy impact strength, 23°C	23.8	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	0.951	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	1.05	ftlb/in²	ISO 180/1A

Thermal properties

Vicat softening temperature, 50°C/h 50N	167	°F	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	0.1260	in	IEC 60695-11-10
UL recognition	yes		UL 94
Glow Wire Flammability Index, 3.0mm	1560	°F	IEC 60695-2-12
Glow Wire Ignition Temperature, 3.0mm	1430	°F	IEC 60695-2-13

Physical/Other properties

Density	0.0365	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding

Additional information

Processing Notes

Storage

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

Revised: 2025-03-25 Source: Celanese Materials Database

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