POLIFOR® 5220/V0-EP WOD

POLIFOR®

Polypropylene, copolymer, 20% mineral filled, UL94 V0, PBDE free.

Product information

Resin Identification	PP-T20		ISO 1043
Part Marking Code	>PP-T20<		ISO 11469

Rheological properties

Melt mass-flow rate	12	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	464000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	3200	psi	ISO 527-1/-2
Flexural modulus	435000	psi	ISO 178
Flexural strength	5080	psi	ISO 178
Charpy impact strength, 23°C	16.6	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.33	ftlb/in²	ISO 179/1eA

Thermal properties

Vicat softening temperature, 50°C/h 50N	162	°F	ISO 306
RTI, electrical, 1.5mm	194	°F	UL 746B
RTI, impact, 1.5mm	194	°F	UL 746B
RTI, strength, 1.5mm	194	°F	UL 746B

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	0.0591	in	IEC 60695-11-10
UL recognition	yes		UL 94
Glow Wire Flammability Index, 3.0mm	1760	°F	IEC 60695-2-12
Glow Wire Ignition Temperature, 3.0mm	1340	°F	IEC 60695-2-13
FMVSS Class	SE		ISO 3795 (FMVSS 302)

Physical/Other properties

Density	0.0487	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding
Additives	Flame retardant
Special characteristics	Flame retardant

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Additional information

Processing Notes

Storage

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

Revised: 2026-08-12 Source: Celanese Materials Database

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