CP56-N0006

PPE/PS Alloy

Good Flow, Non-Halogenated Flame Retardant

CrossPoint Polymer Technologies

5401 N Hwy 41 / Suite 1000 Evansville, IN 47711 ● Phone: 812.426.1350 ● FAX: 888.855.3671 ● www.cpptech.com

Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.10	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.006	in/in
Impact			
Notched Izod Impact (.125 in)			
73°F	ASTM D256	4.5	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	7,500	psi
Tensile Elongation @ Break	ASTM D638	20	%
Flexural Strength	ASTM D790	10,500	psi
Flexural Modulus	ASTM D790	325,000	psi
Thermal			
Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	211	°F
.250 in, 264 psi	ASTM D648	194	°F
Flammability			
Flame Rating (.0625 in)	UL 94	V-1	
Flame Rating (.250 in)	UL 94	V-0	

Recommended Processing Parameters

Drying Temperature	175°F
Drying Time	3.0 - 5.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	410 - 500 °F
Middle Temperature	430 - 510 °F
Front Temperature	450 - 520 °F
Nozzle Temperature	470 - 520 °F
Processing (Melt) Temperature	470 - 520 °F
Mold Temperature	130 - 170 °F

CPPT recommended processing parameters are meant to serve as guidelines only and are not intended to be used for specification purposes. Conditions should be adjusted to optimize material performance with the equipment part design and tooling.