

## CPC - Vycom FLAMETEC™ CP7-D Flame Retardant Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Flametek™ CP7-D is a proprietary designation for a flame retardant polypropylene formulation. CP7-D represent our version of polypropylene sheet whose flame retardant characteristics meet or exceed the most rigorous FMRC 4910 testing standards for most aspects of flame retardation, self-extinguishing characteristics and burnthrough. In addition, CP7-D also meets or exceeds test standards for low smoke generation and minimal toxic by-products. CP7-D is a filled PP sheet material, therefore, chemical compatibility should be verified for each application. FEATURES AND BENEFITS Impact Strength- Flexibility and strength of designs vs. other FRPP products. Weldability- Easy to fabricate with conventional welding equipment. Economics- An economical alternative for fire safe construction. Fire Safe- Listed in accordance to FMRC 4910, fire safe materials for clean room construction. Extruded Sheet- Offers the best gauge consistency, surface and tolerances. Information provided by Compression Polymers Corp - Vycom

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CPC-Vycom-FLAMETEC-CP7-D-Flame-Retardant-Polypropylene.php](http://www.lookpolymers.com/polymer_CPC-Vycom-FLAMETEC-CP7-D-Flame-Retardant-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	10 sec.; ASTM D785
Tensile Strength, Ultimate	17.2 MPa	2500 psi	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	5.39 J/cm	10.1 ft-lb/in	1/8 in. notch; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648
Vicat Softening Point	148 °C	299 °F	1 kg; ASTM D1525
Flammability, UL94	5VA	5VA	ETL Labs
Flammability Test	<= 0.010	<= 0.010	SDI, FMRC test data; File #3D7Q7.AM
	<= 4.2	<= 4.2	FPI, FMRC test data; File #3D7Q7.AM
	<= 25	<= 25	(flame) ETL Labs; ASTM E84 Tunnel Test
	<= 100	<= 100	(smoke) ETL Labs; ASTM E84 Tunnel Test

Descriptive Properties	Value	Comments
Corner Weld Strength, lb/in	467	CPC Test

## Contact Songhan Plastic Technology Co.,Ltd.

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