

## Americas Styrenics STYRON™ A-TECH™ 6079 Ignition Resistant Polystyrene Resin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

STYRON™ A-TECH™ 6079 is an ignition resistant polystyrene (IRPS) resin designed specifically for consumer and business electronics applications that demand excellent aesthetics, along with a strong blend of toughness and flow/process-ability characteristics. Its high melt flow enables faster cycle times and better flow molding, which reduces scrap/waste. In addition, the molder has a wider operating window with the parameters for larger tools. Available in five colors: Natural, Light Gray, Gray #5, Gray, and Black. Applications Consumer electronics: larger size TV cabinets Large and/or hard-to-fill parts (including no-paint) Small portable electronics: cellular phones, pagers, etc. Information technology/business equipment: hard drives, monitors, keyboards, printers, fax machine housing, etc. Information provided by DowAmericas Styrenics was formed in 2008 as a joint venture between Dow Chemical and Chevron Phillips Chemical Company. Styron was a Dow trade name before the JV formation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Americas-Styrenics-STYRON-A-TECH-6079-Ignition-Resistant-Polystyrene-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Americas-Styrenics-STYRON-A-TECH-6079-Ignition-Resistant-Polystyrene-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 200 °C	12 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	16.1 MPa	2340 psi	Injection molded; ASTM D638
Tensile Strength, Yield	17.9 MPa	2600 psi	Injection molded; ASTM D638
Elongation at Break	46 %	46 %	Injection molded; ASTM D638
Tensile Modulus	2.07 GPa	300 ksi	Injection molded; ASTM D638
Flexural Strength	37.0 MPa	5360 psi	Injection molded; ASTM D790
Flexural Modulus	2.09 GPa	303 ksi	Injection molded; ASTM D790
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	Injection molded; ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.6 °C	204 °F	ASTM D1525-B
Flammability, UL94	V-0	V-0	0.0625 in. thickness

## **Contact Songhan Plastic Technology Co.,Ltd.**

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