



Chevron Phillips Chemical (China) Co., Ltd.

MC3700 Specification

Physical Properties	Test Method	Unit	Data
Melt Flow	ASTM D1238	gms./ 10min.	18.0
Izod Impact (1/8in)	ASTM D256	Ft.-lb./in.notch	0.35
Izod Impact (1/4in)	ASTM D256	Ft.-lb./in.notch	0.25
Tensile Strength (Yield)	ASTM D638	Psi at 20 in./min.	7,200
Tensile Strength (Break)	ASTM D638	Psi at 20 in./min.	7,200
Tensile Elongation at Break	ASTM D638	%	4.5
Tensile Modulus	ASTM D638	psi	450,000
Flexural Yield Strength	ASTM D790B	psi	8400
Flexural Modulus	ASTM D790B	psi	460,000
Heat Deflection Temperature	ASTM D648	°F	186
Vicat Softening Temperature	ASTM D1525	°F	215
Specific Gravity	ASTM D792		1.04
FDA Approved	FDA		Yes

Notes: the data contained herein are from Chevron Phillips Lab, which are not guaranteed to be identical with the test results of transaction products.

Properties and Applications

GPPS MC3700 manufactured by Chevron Phillips Chemical Company LP is high clarity and melt flow for molding thin wall, long flow and hard to fill parts that require fast cycles such as airline drink cups cutlery.

FDA Compliance

Polystyrene resins manufactured by Chevron Phillips Chemical Company LP natural complies with Food Additive Regulation of FDA 21CFR177.1640 for polystyrene and rubber modified polystyrene, which states that such materials may be safely used in contact with food.

UL Recognition

Underwriters Laboratories, Inc. has tested and recognized the polystyrene resins for applications in electronic industries.

Safety and Handling Consideration

All polystyrene resins manufactured by Chevron Phillips Chemical Company LP have very low degree of toxicity. When used under normal conditions, these resins should cause no unusual problems from eyes and skin contact, inhalation or ingestion. However, care should be taken to avoid breathing dust or vapors, if generated. If any problem happens when Chevron Phillips polystyrene resins are mixed with other material, please ask for MSDS from sales or technical support representatives and follow their safe-handling recommendations as well.