

Styrene

DESCRIPTION:

Styrene provides a good balance of strength, stiffness, toughness, and colorability. Available as a natural colored, colorable compound.

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Specific Gravity	1.01	R scale	D-792
Melt Flow Rate (200°C, 5 kg)	3.0	g/10 min	D-1238
MECHANICAL			
Flexural Modulus	320,000	psi	D-790
Flexural Strength	6900	psi	D-790
Tensile Modulus	300,000	psi	D-638
Tensile Strength @ yield	3600	psi	D-638
Tensile Elongation @ break	50	%	D-638
Notched Izod Impact	2.3	ft-lb/in	D-256
THERMAL			
Vicat Softening Temperature	215	° F	D-1525
FLAMMABILITY			
Flame Rating – UL	HB		UL94

The information provided above is based on typical values, and is believed to be reliable. No warranty is given as to the suitability of the product for a particular application. Determination of the suitability of this product for any use is solely the responsibility of the user.