



# SABIC® EPS 450FF

## EXPANDABLE POLYSTYRENE FIRE RETARDANT

### DESCRIPTION

Fire retardant expanded Polystyrene SABIC® EPS450FF is manufactured by the suspension polymerization of styrene monomer. The polymerization is generally carried out in a batch process. SABIC® EPS450FF is an expandable polystyrene grade supplied in free flowing beads, containing pentane (CFC free) as a foaming agent. It is used for fast cycle shape and block molding applications with good surface finish.

### TYPICAL APPLICATIONS

SABIC® EPS450FF grade is used for shape molding with wall thickness less than 10 mm (5-10 mm) and for high density block molding with good surface finish. SABIC® EPS450FF has retarded ignitability and the moldings made from it will conform to the requirement of DIN 53438 class K1 and K2.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>TYPICAL DATA</b>			
Bead Distribution	0.4 – 0.8	mm	SABIC 020
Minimum Density <sup>(1)</sup>	18	kg/m <sup>3</sup>	SABIC 027
Normal Density Range	18 – 35	kg/m <sup>3</sup>	SABIC 027