



TECHNICAL DATASHEET

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

Revision
20210812

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