

BASF Neopor® 5300 Expandable Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

Description: Expandable polystyrene (EPS) containing uniformly distributed flame retardant (blowing agent: pentane).Remarks: For the production of flame-retardant silver-gray foams having a considerably higher thermal-insulation capacity than the usual EPS insulating materials.Applications: Block and molded parts.Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Neopor-5300-Expandable-Polystyrene.php

Physical Properties	Metric	English	Comments
Bulk Density	0.600 g/cc	0.0217 lb/in ³	
Density	0.00310 g/cc	0.000112 lb/in ³	Vapor (Heavier than air)
	1.02 - 1.05 g/cc	0.0368 - 0.0379 lb/in ³	
Bead Size	0.900 - 1.30 mm	0.0354 - 0.0512 in	

Thermal Properties	Metric	English	Comments
Softening Point	70.0 °C	158 °F	approx
Decomposition Temperature	>= 220 °C	>= 428 °F	
Flash Point	>= -56.0 °C	>= -68.8 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.50 %	<= 0.50 %	

Descriptive Properties	Value	Comments
Color	Black	
Commercial Status	Europe	
Ignition Temperature	285°C	DIN 51794
Sieve Analysis	<0.8 mm	max 2%
	>1.4 mm	max 3%
	0.8 - 1.4 mm	max 95%

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