

BASF E-por® 0.035 g/cc Density; Styrene and Ethylene (Europe)

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

Material Notes:

Description: Expandable granules made of styrene and ethylene containing polymers without flame retardant (blowing agent: pentane). Application: For the production of elastic, multi-shock absorbing expanded foams. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-E-por-0035-gcc-Density-Styrene-and-Ethylene-Europe.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0160 - 0.0350 g/cc	0.000578 - 0.00126 lb/in ³	
Density	0.0350 g/cc	0.00126 lb/in ³	

Mechanical Properties	Metric	English	Comments
Flexural Strength	0.237 MPa	34.4 psi	0% E-por Content; DIN 53423
	0.247 MPa	35.8 psi	60% E-por Content; DIN 53423
	0.257 MPa	37.3 psi	100% E-por Content; DIN 53423
	0.480 MPa	69.6 psi	DIN-EN 12089
Compressive Strength	0.165 MPa @Strain 10.0 %	23.9 psi @Strain 10.0 %	DIN-EN 826
	0.205 MPa @Strain 25.0 %	29.7 psi @Strain 25.0 %	DIN-EN 826

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

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Cushioning	2.65	h/d=15; DIN 55471
Energy Absorption	19 J	Hysteresis at 70% compression, v=% mm/min; ISP 3386-1
Flexural Work to Break	0.227	0% E-por Content; DIN 53423
	0.247	60% E-por Content; DIN 53423
	0.25	100% E-por Content; DIN 53423

Descriptive Properties

Value

Comments

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