

GECET™ 5601

Expanded Polystyrene

Fagerdala USA Inc.

Message:

Grade 5601 is a modified, flame-retardant grade, black-pigmented expandable polystyrene resin. This resin is specifically formulated for low-density and mid-range density, impact absorption applications such automotive and packaging applications. Grade 5601 resin is available in an unexpanded particle size range of 0.6 - 1.2 mm, and the typical density range for molded application is 2.5 to 10 pcf.

General Information			
Additive	Unspecified Additive		
Features	Expandable		
	Flame Retardant		
	High Impact Resistance		
	Low Density		
Uses	Automotive Applications		
	Packaging		
Appearance	Black		
Forms	Pellets		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			ASTM C203
-- ¹	29.6	MPa	
-- ²	20.0	MPa	
Flexural Strength			ASTM C203
-- ³	1.03	MPa	
-- ⁴	0.655	MPa	
Compressive Strength			ASTM D1621
10% Strain ⁵	0.455	MPa	
10% Strain ⁶	0.283	MPa	
15% Strain ⁷	0.483	MPa	
15% Strain ⁸	0.303	MPa	
20% Strain ⁹	0.524	MPa	
20% Strain ¹⁰	0.331	MPa	
Flammability	Nominal Value		Test Method
Flame Rating ¹¹	HBF		UL 94
Flammability	Pass		FMVSS 302
NOTE			
1.	3.5 lbs/ft ³		
2.	2.5 lbs/ft ³		
3.	3.5 lbs/ft ³		

4.	2.5 lbs/ft ³
5.	3.5 lbs/ft ³
6.	2.5 lbs/ft ³
7.	3.5 lbs/ft ³
8.	2.5 lbs/ft ³
9.	3.5 lbs/ft ³
10.	2.5 lbs/ft ³
11.	2.2 to 4 pcf

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