



# FAGERDALA WORLD FOAMS

Fagerdala USA, Inc.

## Black Expandable Polystyrene Grade 5601

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### GENERAL DESCRIPTION

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 as automotive and packaging applications. Grade 5601 resin is available in an unexpanded particle size range of 0.6-1.2mm, and the typical density range for molded applications is 2.5 to 10 pcf. Typical property data is tabulated below.

PROPERTY	UNITS	ASTM TEST	TYPICAL PROPERTY @	
			2.5 LBS/CUBIC FT	3.5 LBS/CUBIC FT
Compressive Strength				
@ 10%	psi	D-1621	41	66
@ 15%	psi	D-1621	44	70
@ 20%	psi	D-1621	48	76
Flexural Yield Strength	psi	C-203	95	150
Flexural Modulus	psi	C-203	2900	4300

<b>Flammability Rating</b>	FMVSS-302 - UL-94	Pass - HBF (2.2 – 4.0 pcf)
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### APPLICATION

To help assure that Fagerdala USA-Mendota products are not misapplied, or used in any manner which may not have been intended or tested, we suggest a review of proposed applications with Fagerdala USA-Mendota personnel to assist in dealing with end use, regulatory and safety issues. Your Fagerdala USA-Mendota Sales Representative can arrange for the proper contact with our Technical Staff for such review.

## SHIPPING AND HANDLING PRECAUTIONS

Expandable polystyrene contains a flammable blowing agent and is consequently regulated by the United States Department of Transportation as a CLASS 9-MISCELLANEOUS MATERIAL. These products are shipped in regulation UN 2211, 1000 - pound containers. Each container is lined with a hydrocarbon barrier liner to decrease the emissions of volatiles. Please refer to Fagerdala USA-Mendota Technical Bulletin No. 2.00 "Recommended Safety, Health and Environmental Guidelines" and to the corresponding resin's Material Safety Data Sheet (MSDS), a copy of which is provided with the first shipment or upon request.

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