

# Bayfill® EA 6005

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Bayfill EA 6005 is a fully formulated two component system for the production of a semi-rigid energy absorbing (EA) foam for interior or exterior automotive applications. The Bayfill EA system is supplied as two reactive liquid components. Component A is a polymeric diphenyl methane diisocyanate (PMDI) and Component B is a formulated polyether polyol system.

As with any product, use of the Bayfill EA 6005 system in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

## General Information

Uses	Foam
	Application in Automobile Field
	Car interior parts
	Automotive exterior parts

Physical	Nominal Value	Unit	Test Method
----------	---------------	------	-------------

Molded Density	96.1 - 128	kg/m <sup>3</sup>	ASTM D3574
----------------	------------	-------------------	------------

Mechanical	Nominal Value	Unit	Test Method
------------	---------------	------	-------------

Tensile Strength	0.290	MPa	ASTM D3574
------------------	-------	-----	------------

Tensile Elongation (Break)	10	%	ASTM D3574
----------------------------	----	---	------------

Compressive Strength			ASTM D1621
----------------------	--	--	------------

10% strain	0.290	MPa	ASTM D1621
------------	-------	-----	------------

50% strain	0.469	MPa	ASTM D1621
------------	-------	-----	------------

70% strain	1.03	MPa	ASTM D1621
------------	------	-----	------------

Thermoset	Nominal Value	Unit
-----------	---------------	------

Thermoset Components		
----------------------	--	--

Component a	Mixing ratio by weight: 80	
-------------	----------------------------	--

Component B	Mixing ratio by weight: 100	
-------------	-----------------------------	--

Demold Time	2.0 - 5.0	min
-------------	-----------	-----

## Additional Information

Part A  
Type: Isocyanate  
Specific Gravity @ 25°C: 1.24  
Viscosity @25°C: 200 cps  
Flash Point PMCC: 199°C  
Part B  
Type: Polyol  
Specific Gravity @ 25°C: 1.05  
Viscosity @25°C: 2000 cps  
Flash Point PMCC: 102°C  
Material Temperatures: 27 to 30°C Mold Temperature: 54 to 60°C Mix Pressure: 2000 to 2500 psi Cream Time: 6 to 8 sec Gel Time: 18 to 22 sec Rise Time: 40 to 45 sec Free-Rise Density: 4.6 to 5.2 lb/ft<sup>3</sup> Demold Time: 120 to 300 sec Molded Density: 6.0 to 10.0 lb/ft<sup>3</sup>

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

