



**Worldwide Foam**  
A Jacobs & Thompson Company

# 1820

## Polyester Urethane

This data sheet property values are typical of the material and are intended to provide guidance to customers; they do not constitute a specification and should not be used for specification development.

Corporate Headquarters:

1806 Conant St.

Elkhart, IN 46516

www.worldwidefoam.com

[Info@worldwidefoam.com](mailto:Info@worldwidefoam.com)

Ph: 574-968-8268

Fax: 574-970-0926

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m <sup>3</sup> )	1.8 – 2.2 PCF 28.8 - 35.2 kg/m <sup>3</sup>		ASTM D3574
Compression Deflection (CFD) (psi) (kPa) @25%	2 – 5 psi 13.7 – 34.4 kPa		ASTM D3574
Shore Hardness OO (Durometer)			
Compression Set %	≤ 30		ASTM D3574
Tensile Strength (psi)(kPa)	16 psi 110 kPa		ASTM D3574
Elongation (%)	105		ASTM D3574
Tear Strength Resistance (ppi)	1.3		ASTM D3574
Water Absorption by Weight %			
Accelerated Age Testing: 7 Days @ 158 °F Change in CFD	70% min		ASTM D3574
Service Temperature (°F)(°C)	°F	°C	
Low	-4	-20	
High Continuous			
High intermittent	248	120	
Flame Resistance	Pass		FMVSS-302
	Pass		94HF-1
<b>Industry and OEM Specifications:</b> Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	MSAY 301A ESA-M4D57-A1 WSK-M2D417-A GMW14196 Type 3I		

The data on this technical data sheet should be used as a guideline for product selection. This data is not intended to represent, replace or be used as a proxy for a specific product sales specification. The physical properties are averages based on limited production runs and are subject to change as additional data becomes available.