

Reference: R000008787

To: Hongrunplas [hongrunplas@139.com] - 139

Revision: 2021
Print date: 2021-09-16

Federal Motor Vehicle Safety Standard No. 302; CFR-49-571-302

**Akulon® Ultraflow K-FKG3
Natural**

Dear Madam, Sir,

The Code of Federal Regulations (USA), Title No. 49 (Transportation), Part No. 571 (FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS)), Standard No. 302 (Flammability of interior materials), describes a method regarding flammability testing of interior materials.

The technically equivalent ISO 3795 (ROAD VEHICLES AND TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY - DETERMINATION OF BURNING BEHAVIOUR OF INTERIOR MATERIALS) specifies a method for determining the horizontal burning rate of materials used in the occupant compartment of road vehicles (such as estate cars, coaches, passenger cars and lorries/trucks) and of tractors and machinery for agriculture and forestry, after exposure to a small flame. ISO 3795 allows testing of materials and parts of the vehicle interior equipment individually or in a combination up to a thickness of 13 mm. This method is used to assess the uniformity of production lots of such materials in relation to their burning behavior.

Because the above mentioned grade has neither been physically tested according to FMVSS 302 nor to the technically equivalent ISO 3795 (1989-10; R2013), to the best of our knowledge (based on flammability tests conducted on comparable products), we act on the assumption that the above mentioned grade will meet the requirements of the flammability test and that the burn rate will be <100 mm/min at a thickness of 1 mm.

Further technical equivalents to CFR-49-591-302 (2016-10), FMVSS 302 and ISO 3795 (1989-10; R2013) are: ASTM D5132 (2011-02), BMW GS 97038 (2016-03), DIN 75200 (2013-06), Fiat 7-G2000 (2004-04), Ford FLTM 24-2 (2001-09), GB 8410 (2006-01), General Motors GMW 3232 (2016-12), Mercedes Daimler DBL 5307 (2019-07), Hyundai-Kia MS 300-08 (2014-08), Nissan NES M0094 (2015-02), PSA-D451333 (2013-02), Toyota TSM-0500G (2010-10), Volkswagen TL1010 (Issue 2008-01, Updated translation 2018-06), VW PV 3904 (2017-11), Volvo STD-5031, 19 (2004-08), Volvo STD-5031, 1 (2007-01) and Volvo STD-140-0001 (2012-12).

Hoping to have been of service to you.
Sincerely yours,



Ron Jenz
Global Product Data Manager
DSM Engineering Materials

Akulon®, Arnite®, Arnitel®, EcoPaXX®, ForTii®, Novamid®, Stanyl® and Xytron™ are trademarks of DSM.

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information, or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequences from the use of all such information.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values. This document replaces all previous versions relating to this subject.

Copyright © DSM 2021. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of DSM.