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NOMENCLATURE FORMATION OF QUALITY INDICATORS FOR POLYMERIC SOLES

ФОРМИРОВАНИЕ НОМЕНКЛАТУРЫ ПОКАЗАТЕЛЕЙ КАЧЕСТВА ДЛЯ ПОЛИМЕРНЫХ ПОДОШВ ОБУВИ

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ABSTRACT

*NOMENCLATURE, SHOES, COMMODITY,
QUALITY, QUALITY INDICATORS*

The nomenclature of shoes includes a big range of quality indicators. However, only some of them can be applied for polymeric soles when we need to characterize the quality of shoe soles. To avoid less informative indicators which can bring down the quality of nomenclature it is necessary to revise nomenclature of quality indicators only for polymeric soles.

Nowadays there is no nomenclature of polymeric soles for easy use in commodity science. This is due to the fact that soles frequently considered as a part of shoe construction.

There is a wide range of nomenclatures of quality indicators for shoes in commodity science [1, 2]. But in such nomenclatures there are many quality indicators for all shoe construction. Naturally we understand that for commodity assessment of soles it is difficult to use all of this quality indicators. Low-level indicators may reduce the quality of

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*НОМЕНКЛАТУРА, ОБУВЬ, ТОВАРОВЕДЕ-
НИЕ, КАЧЕСТВО, ПОКАЗАТЕЛИ КАЧЕСТВА*

Номенклатура потребительских свойств обуви содержит большое количество показателей качества, которые не всегда могут быть необходимы при характеристике подошв. Для того чтобы избежать применения малоинформативных показателей, наличие которых может снизить качество номенклатуры, необходимо разработать уточненную номенклатуру показателей качества полимерных подошвенных материалов.

nomenclature in practice of estimating the quality of soles. Therefore we decide to do the easy-to-use nomenclature of polymeric soles.

Expert method is usually used for developing a nomenclature of quality indicators [3]. The first step of this work is making a three level nomenclature as viewed by the commodity science. In Table 1 there are all indicators that used in formation of commodity nomenclature of polymeric soles.

Table 1 – The quality indicators of polymeric soles

Level I	Level II	Level III
Appointment index	Resistance to external influences	Repeated flexing
		Abrasion resistance under slipping
		Abrasion resistance under slipping on a renewing surface
	Mechanical strength and elasticity	Elastic stress
		Tensile stress
		Tensile stress – strain properties
	Structure of the material	Shore A hardness
Density		
Ergonomic index	Physiological requirements	Weight
		Flexibility
Reliability index	Durability	Shelf life
Aesthetic index	Appearance	Conformity artistic-color design of the modern trend of fashion
Ecological index	Ecological compatibility in the process of production and consumption	Concentration of toxic gaseous products released during production
		The content of harmful impurities released into the environment
Economic index	Production costs	Cost price

Appointment index characterizes the degree of conformity to the purpose of the product.

Resistance to external, mechanical strength and elasticity, structure of the material influence determines the use of soles in various types of footwear, depending on its purpose.

Physiological requirements determine convenience of consumption. It means that energy efforts during walking should give the maximum beneficial effect.

Durability must meet the time requirements for production and use.

Appearance characterizes social significance and values in fashion ways.

Ecological compatibility in the process of production and consumption is an important factor today. Materials should not harm the environment, heredity and human health in the process of production, consumption and disposal, and must also meet sanitary and hygienic standards.

Production cost should be justified by the producer.

All the listed quality indicators take into account the basic requirements for polymeric soles.

The next step in formation of the nomenclature of polymeric soles will be the expert method which helps to identify the most important quality indicators.

REFERENCE

1. Товароведение непродовольственных товаров: учебник / В. Е. Сыцко [и др.]; под общ. ред. В. Е. Сыцко. – «Высшая школа», Минск, 2014. – 667 с.
2. Магомедов, Ш. Ш. Товароведение и экспертиза обуви: учебник для вузов / Ш. Ш. Магомедов. – Москва: Дашков и К, 2004. – 380 с.
3. Горбачик, В. Е. Комплексная оценка уровня качества обуви / В. Е. Горбачик, А. И. Линник // Обувная промышленность: обзорная информация / ЦНИИТЭИлегпром. Вып. 2. Москва. – 1991. – 60 с.