

technical data sheet

PennWhite Ltd, Aston Way, Midpoint 18 Business Park, Middlewich, Cheshire, CW10 0HS

Description

Prosil E70 is a concentrated low molecular weight polydimethylsiloxane (silicone) emulsion.

Applications

Prosil E70 is formulated for use in the manufacture of polyurethane latex and gelled rubber latex foam products. It is suitable for use with ammonium acetate gelled latex foam systems or carboxylated "no-gel" systems.

Product Features

Prosil E70 provides facilitates easier manufacturing of latex products by supporting faster machine running speeds and providing lubrication. It reduces tackiness, compression set and the formulation of coarse bubbles in wet foam. Prosil E70 improves the foam structure and its adhesion to a substrate as well as the abrasion resistance of the foam skin. Additionally it reduces the tendency of the foam to delaminate and imparts a sheen to the cured foam surface.

Method of Use

Prosil E70 should be added at 0.3% to 0.5% of dry weight of rubber at the compounding stage as one of the final components after addition of fillers. Alternatively, it may be added immediately prior to foaming by injection into the mixing head of the foam generator. Prosil E70 disperses easily into latex and does not require specialist mixing equipment. Prosil E70 should not be used in the same feed line as ammonium acetate.

Product Safety

A Safety Data Sheet compliant with EU 2015/830 is available for Prosil E70 on request. It contains any safe handling guidelines that may be relevant to this product.

Storage, Shelf Life & Packaging

Prosil E70 has a shelf life of 12 months when stored in original and unopened containers between 5°C and 30°C. This product is typically available in 220 litre containers. Please note that it is sold in kilograms and the actual capacity of a container (in kg) is dependent upon the specific gravity of its contents.

Typical Properties

- Appearance: White viscous liquid
- Solids: 68.0 – 72.0 %

Please note; these are typical properties only and should NOT be construed or used as a specification for this product.

(OPM3/D3)

TDS: 024

Issue: 08

Revised: 16/04/2021

Page 1 of 1



This product is manufactured in a facility whose Quality Management System is certified as being in conformity with ISO 9001:2015.



This product is manufactured in a facility which operates in line with the Chemical Business Association's Responsible Care program.

Technical Support Contact Details

Telephone: +44 (0)1606 734820

Fax: +44 (0)1606 837867

Email: info@pennwhite.co.uk

Website: www.pennwhite.co.uk