



Durable Press / Wrinkle Free Resins

OMNOVA Solutions manufactures a full line of thermosetting resins for the textile industry. Many can be purchased as pre-catalyzed systems or as resin and catalyst separately (see Processing Specialties page).

Product	Type	Features	Application
Permafresh® 600	Modified DMDHEU	A super-concentrated reactant.	Provides “wrinkle-free” performance to cellulose containing fabrics with very low formaldehyde emission.
Permafresh® S-25	DMDHEU	A super-concentrated reactant.	Provides maximum concentration and “wrinkle-free” performance to cellulose containing fabrics.
Permafresh® 213B	DMDHEU	Reactant with only a mild buffer to reduce shade change	Primarily used to achieve maximum durable press ratings on cotton fabrics
Permafresh® ULR	Modified DMDHEU	High activity reactant, ultra-low formaldehyde	High activity allows this product to be formulated to meet the desired needs of individual systems.
Permafresh® CSI-2	Modified DMDHEU Pre-catalyzed	Pre-catalyzed ultra-low formaldehyde resin for flash cure finishing	Excellent performance with ultra-low formaldehyde content in flash cure applications for a variety of fabric types.
Permafresh® PCR-2	Modified DMDHEU Pre-catalyzed	Buffered, pre-catalyzed ultra-low formaldehyde resin	Excellent pre-catalyzed system for minimum shade change in pre- and post-cure applications
Permafresh® LOSP	Modified DMDHEU	Buffered resin for minimum shade change	Excellent resin for sheeting applications requiring little or no change of pigment shades.
Permafresh® Silver	DMUG	Non-formaldehyde resin	Very good performance on a variety of fabrics.
Permafresh® EFR	Modified DMDHEU	Ultra-low formaldehyde (< 0.1% free formaldehyde)	Excellent resin for many fabrics for low formaldehyde applications. Use with Cat. KR or 531 for pre- or post-cure.
Permafresh® TG	Modified DMDHEU	Low formaldehyde resin (< 0.1%)	TG meets most formaldehyde requirements today. Available also in pre-catalyzed form.

NOTE:

Although data supplied above are believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such a use will comply with all applicable laws or regulations, or whether such a use will infringe the intellectual property rights of third parties.



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