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PRODUCT DATA: **PRO-BOND 1181**

DESCRIPTION

PRO-BOND 1181 IS A BLEND OF PARTIALLY HYDROLYZED COLLAGEN AND VEGETABLE PROTEINS SUPPLIED AS A DRY PRODUCT. NORMAL PARTICLE SIZE IS 20-100 MESH.

APPLICATION

THIS INTERMEDIATE MOLECULAR WEIGHT BIO-POLYMER IS AN EXCELLENT ADHESIVE AND BINDER, PARTICULARLY FOR CELLULOSIC SUBSTRATES. FILMS EXHIBIT HIGH GLOSS AND GREATER FLEXIBILITY THAN LOWER MOLECULAR WEIGHT COLLAGEN PRODUCTS.

PRO-BOND 1181 CAN BE DRY BLENDED WITH OTHER GRANULAR INGREDIENTS WHEN USED AS A BINDER. PRO-BOND 1181 MUST BE HEATED TO A MINIMUM 140 DEGREES F. IN THE PRESENCE OF A MINIMUM 15% MOISTURE IN ORDER TO ACTIVATE. MOST EXTRUDERS AND MOLDERS ARE CAPABLE OF PROVIDING THE REQUIRED TEMPERATURE.

PRO-BOND 1181 FORMS ITS BONDS UPON DRYING. DRY FILMS ARE HIGHLY RESISTANT TO SOLVENTS AND OILS BUT REMAIN SLOWLY SOLUBLE IN WATER. BONDS AND FILMS ARE COMPLETELY BIODEGRADABLE AND RECYCLABLE.

TYPICAL PROPERTIES

BASE:	REFINED DRY COLLAGEN, VEGETABLE PROTEIN
COLOR:	PALE YELLOW
PARTICLE SIZE:	20-100 MESH
MOISTURE:	8-12%
pH (IN WATER)	5.5-6.5

SAFETY AND HANDLING

1. OPEN BAGS CAREFULLY TO AVOID DUSTING
2. GRANULAR MATERIAL CAN CAUSE IRRITATION AS A FOREIGN OBJECT IN THE EYE.
3. HOT SOLUTIONS CAN CAUSE BURNS.
4. PROLONGED OR REPEATED EXPOSURE TO DUST OR SOLUTIONS CAN CAUSE IRRITATION.
5. SWEEP UP DRY SPILLS. REMOVE WET SPILLS WITH HOT WATER.