



TECHNICAL DATA SHEET

KAFRIT INDUSTRIES (1993) LTD.

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1.0 DESCRIPTION

- 1.1 PRODUCT NAME: LDPE MB BROWN & PA L-8660
1.2 PRODUCT CODE: 3XLDPI806600
1.3 COLOR: BROWN "AL-OR"

2.0 PHYSICAL PROPERTIES

2.1 CARRIER RESIN

- 2.1.1 TYPE: LDPE
2.1.2 MELT INDEX: 50 ASTM D-1238/E
2.1.3 DENSITY: 0.92

2.2 MASTERBATCH

- 2.2.1 SPEC. GRAVITY: 1.46
2.2.2 ADDITIVE: 55% COLORANTS + PA

3.0 REGULATORY STATUS: TO BE INCORPORATED IN PLASTICS IN CONTACT WITH FOOD.

- 3.1 E.E.C.: THE INGREDIENTS IN THIS PRODUCT ARE REGULATED AS ACCEPTABLE ACCORDING TO THE COMMISSION OF EUROPEAN COMMUNITY DRAFTS: POLYMERS, 1990/128/EC, 1992/39/EC, 1995/3/EC, 1996/11/EC, 1999/91/EC, 2001/62/EC, 2002/17/EC AND 2002/72/EC, 2004/19/EC, 2004/1935/EC. DYESTUFFS AP/89/1.

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- 3.2 GERMANY: BGVV, THE INGREDIENTS IN THIS PRODUCT ARE REGULATED AS ACCEPTABLE ACCORDING TO EMPFEHLUNG III, VII AND IX OF BUNDESGESUNDHEITSBLATT.
- 3.3 U.S.A.: THE INGREDIENTS IN THIS PRODUCT ARE REGULATED AS ACCEPTABLE UNDER PARAGRAPHS 175.300, 177.1520 AND 178.3297 TITLE 21 OF THE CODE OF FEDERAL REGULATION.
U.S.A.: THE INGREDIENTS IN THIS PRODUCT CONFORM TO STANDARD CONSUMER SAFETY SPECIFICATIONS ON TOY SAFETY, ASTM F 963-86 (4.3.5.1-4.3.5.4)
FDA CLEARANCE: ONLY ON EVIDENCE OF "NON MIGRATION".
- 3.4 ISRAEL: THE INGREDIENTS IN THIS PRODUCT CONFORM TO IS 5113 PLASTIC MATERIALS IN CONTACT WITH FOOD.

WE WISH TO POINT OUT THAT OUR RESPONSIBILITY AS MASTERBATCH PRODUCERS CANNOT BE EXTENDED TO INCLUDE THE APPLICATION TO WHICH OUR PRODUCT IS USED BY THE MANUFACTURER. IN PRINCIPLE, THEREFORE, THE MANUFACTURER APPLYING OUR MASTERBATCH WILL BE RESPONSIBLE FOR TESTING THE FINISHED PRODUCT IN CONTACT WITH FOOD, AS WELL AS ITS POSSIBLE INFLUENCE ON THE TASTE AND SMELL OF THE FOOD PRODUCT.

4.0 APPLICATION:

LDPE MB BROWN & PA L-8660 HAS BEEN DEVELOPED TO IMPROVE THERMAL PERFORMANCE OF POLYETHYLENE MULCH FILMS, TOGETHER WITH PREVENTING WEED GROWTH. THE COLOR OF THE FILM WAS CHOSEN TO PREVENT PHOTO-SYNTHESIS BY ABSORBING THE ESSENTIAL LIGHT. IN CONTRAST TO BLACK FILMS WHICH ARE SOMETIMES USED IN WEED CONTROL, THE BROWN & PA FILM ALLOWS SOLAR ENERGY TO PENETRATE THE MULCH FILM AND HIGHER SOIL TEMPERATURE IS ACHIEVED. THIS MEANS THAT CROP ROOTS ARE KEPT WARMER DURING WINTER ENABLING MORE EXTENSIVE PLANT ACTIVITY DURING COLD PERIODS.

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5.0 REMARKS:

- RECOMMENDED LET DOWN	5-15	%
- MAXIMUM PROCESSING TEMPERATURE	260	°C
- LIGHT FASTNESS	8	

* **LDPE MB BROWN & PA L-8660** PERFORMANCE MAY BE INFLUENCED BY THE PRESENCE OF FILLERS, CATALYST RESIDUES AND OTHER ADDITIVES.

THE EXACT ADDITION LEVEL SHOULD BE DETERMINED ACCORDING TO REQUIREMENTS, EXPECTED SERVICE LIFE, CLIMATIC CONDITIONS ETC.

* **LDPE MB BROWN & PA L-8660** IS CADMIUM, LEAD, MERCURY AND CHROMIUM(VI), PBB AND PBDE FREE ACCORDING TO DIRECTIVES EN71-3, 1994/62/EC, 2003/11/EC, CONEG, 2002/96/EC AND 2002/95/EC (RoHS).

* **LDPE MB BROWN & PA L-8660** CONFORMS TO "END OF LIFE VEHICLES" DIRECTIVE 2000/53/EU, 2002/525/EC AND VDA 232-101.

* **LDPE MB BROWN & PA L-8660** DOES NOT CONTAIN INGREDIENTS WITH SPECIFIC MIGRATION LIMITS.

* **LDPE MB BROWN & PA L-8660** DOES NOT CONTAIN ADDITIVES FROM ANIMAL ORIGIN.

* **LDPE MB BROWN & PA L-8660** MAY CAUSE WARPAGE IN MOLDINGS.

* **LDPE MB BROWN & PA L-8660** EXPECTED SHELF LIFE IS 3 YEARS IF STORED PROPERLY IN COOL DRY CONDITIONS. PREDRYING OF **LDPE MB BROWN & PA L-8660** MAY BE REQUIRED. AVOID OVERHEATING.

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