



EMDA-8920

HDPE Injection Molding Resin

DESCRIPTION

EMDA-8920 is a high density copolymer polyethylene resin designed for injection molding applications which require excellent toughness and gloss.

APPLICATIONS

EMDA-8920 has been designed for a broad range of material handling injection molding applications including open-head pails, housewares, toys, caps, food containers, etc..

TYPICAL PROPERTIES

Properties	Units	Test Method	Typical Value
Resin Properties			
Melt Index, I _{2.16}	g/10 min	ASTM D 1238	20
Density	g/cm ³	ASTM D 1505	0.954
Tensile Strength @ Yield	MPa	ASTM D 638	26
Tensile Strength @ Break	MPa	ASTM D 638	21
Elongation @ Break	%	ASTM D 638	300
Izod Impact	J/M	ASTM D 256	30
Hardness	Shore D	ASTM D 2240	57
Flexural Modulus	MPa	ASTM D 790	1150

Actual properties may vary depending upon operating conditions.

ASTM – American Society for Testing and Materials

TYPICAL PROCESSING CONDITIONS

Barrel Temperature, °C	175 – 245
Mold Temperature, °C	10 - 40

FOOD CONTACT USAGE

Contact your EQUATE representative regarding compliance to FDA and EC regulations

AVAILABILITY

EMDA-8920 is supplied in 25-Kg bags in secured pallets of 55 bags (1.375 MT net).

STORAGE AND HANDLING

EMDA-8920 is supplied in pellet form and is readily conveyed on conventional polyethylene bulk handling equipment. The bulk handling system should be designed to prevent accumulation of fines and dust particles that can pose an explosion hazard. Ensure all equipment is properly grounded. The product should be stored in a cool dry shaded area away from dust, sunlight and heat. Review the Material Safety Data Sheet supplied with this product for health, safety and waste considerations.

IMPORTANT NOTICE

The information supplied in this bulletin to the best of our knowledge is accurate and factual as of the date printed. It is offered solely as a convenience to EQUATE's customers and is intended only as a guide for EMDA-8920. Since the user's specific applications and conditions of use are beyond EQUATE's control, EQUATE makes no warranty or representation regarding results that may be obtained by the user. It shall be the responsibility of the user to determine the suitability of the product for the user's specific application. The information disclosed in this document is not to be construed as a recommendation to use the product in infringement of any patent rights covering the usage.



NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS

EQUATE Petrochemical Company does not recommend any EQUATE product or sample product for use: (A) in any commercial or developmental application which is intended for contact with human internal body fluids or body tissues, regardless of the length of time involved. (B) in any cardiac prosthetic device application, regardless of the length of the time involved, including, without limitation, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices; (c) as a critical component in any medical device that supports or sustains human life; and (D) specifically by pregnant women or in any applications designed specifically to promote or interfere with human reproduction.

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