

# EQUATE PE EMDA-8920

High Density Polyethylene Copolymer  
EQUATE Petrochemical Company KSCC

Message:

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

General Information			
Features	Copolymer		
	Good Toughness		
	High Density		
	High Gloss		
Uses	Caps		
	Food Containers		
	Household Goods		
	Pails		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	26.0	MPa	
Break	21.0	MPa	
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	30	J/m	ASTM D256
Injection	Nominal Value	Unit	
Processing (Melt) Temp	175 to 245	°C	
Mold Temperature	10.0 to 40.0	°C	

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Recommended distributors for this material

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