

# R-master® 92200

Linear Low Density Polyethylene

Polimeros Mexicanos s.a. de c.v.

## Message:

Linear Low Density Polyethylene Resin  
USES: High quality Polyethylene, excellent vehicle for master batch productions, maximum dispersion. Injection molding. General purpose applications. Excellent low temperature impact strength, rigidity, stress crack resistance and procesability.  
Complies with U.S. FDA 21 CFR 177.1520 ©3.1a  
Consult the regulations for complete details.

General Information			
Features	Dispersible		
	Food Contact Acceptable		
	General Purpose		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Low Temperature Impact Resistance		
Uses	General Purpose		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919 to 0.929	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16 to 24	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	20.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	11.7	MPa	
Break	7.58	MPa	
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus - 2% Secant	386	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	42.8	°C	ASTM D648
Melting Temperature	123	°C	DSC

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Recommended distributors for this material

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