



Prime Engineering and Commodity Thermoplastic Resins

LD 21002 Low Density Polyethylene

Description: LD 21002 is a LDPE formulation suggested for film applications requiring, impact strength, easy processability and a wide heat-sealing range. This resin complies with 21 CFR 177.1520.

Applications: Industrial packaging / liners / blends with LLDPE / foam applications

Physical Properties	Typical Values	Test Method(s)
Density	0.918	D-792
Melt Flow Rate – g/10 min (190°C/2.16kg)	2.3	D-1238
Haze, %	15.0	D-1003
Gloss @ 45°	37	D-2457
Tensile Strength @ break, psi		
MD	3,190	D-882
TD	2,600	D-882
Elongation @ break, %		
MD	250	D-882
TD	550	D-882
1% Secant Modulus, psi		
MD	25,000	D-882
TD	27,500	D-882

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The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

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