

MARPOL® LL4M 820 is a narrow molecular weight butene copolymer resin designed for applications that require easy processability. This resin offers outstanding toughness and tear resistance in freezer applications for food packaging.

Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt index (190°C/2,16 kg),	20 g/10 min	20 g/10 min	ASTM D 1238
Density	0,925 g/cm ³	0,925 g/cm ³	ASTM D 1505
Vicat Softening Temperature	202 °F	94 °C	ASTM D 1525
Peak Melting Point	253 °F	124 °C	ASTM D 3418
Tensile Strength at Yield	1600 psi	11 MPa	ASTM D 638
Elongation at Break	350 %	350 %	ASTM D 638
1% Flexure Secant Modulus	37450 psi	255 Mpa	ASTM D 790
Tensile Impact (-40 °C)	121 ft-lb/in ²	255 kJ/m ²	ASTM D 1822
Environmental Stress Crack Resistance (F ₅₀)	>50 hr	>50 hr	ASTM D 1693
Temperature Brittleness, F ₅₀	<-94 °F	<-70 °C	ASTM D 746

Recommended application:

closures and dispensers, housewares, protective caps, freezer lids. Compounding this resin offers outstanding toughness and tear resistance in freezer applications.

Additives: Antiblock – no; Slip – no.

Form(s): Pellets.