



NOVAPOL® LM-0724-A

NOVA Chemicals - Low Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • Good Processability • Good Dimensional Stability • Good Stiffness • Good Toughness
Uses	• Caps • Closures
Agency Ratings	• FDA 21 CFR 177.1520(c) 2.2
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.926		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1740	psi	ASTM D638
Tensile Strength ² (Break)	1600	psi	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus			
1% Secant	50000	psi	ASTM D790
2% Secant	44200	psi	ASTM D3350
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	207	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min