

M200024

LLDPE for Injection Molding

M200024 is an injection molding grade Linear Low Density Polyethylene (LLDPE) copolymer of narrow molecular weight distribution. It has been designed to have excellent low temperature toughness, stress crack resistance and gloss.

NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against infringement.

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Typical Applications

M200024 resin is well suited for injection molding of large items where high flow and fast cycles are required. It is recommended for housewares, trash cans, automotive parts, lids and large industrial containers.

Physical Properties	Unit	Value ⁽¹⁾	Test Method
Melt index	g/10 min.	20	D-1238
Density	g/cm ³	0.924	D-1505
Vicat softening point	°C	94	D-1525
Brittleness temperature	°C	< -75	D-746
Secant modulus @1%elongation	MPa	315	D-638
Tensile strength @yield	MPa	12	D-638
Tensile strength @break	MPa	8.5	D-638
Tensile elongation @break	%	450	D-638
Izod impact (notched)	J/m	540	D-256
Hardness (shore D)	-	55	D-2240
ESCR (100%Igepal), F ₅₀ (Slitted specimen)	Hrs.	24	D-1693A

Test specimen is prepared from compression molded sheet made according to ASTM D-1928 Procedure C.

(1) Typical values should not be construed as specification limits.

Processing Conditions

Typical molding conditions for M200024 are:

Barrel temperature °C (°F) = 193-232 (380-450)

Mold temperature °C (°F) = 5-30 (40-85)

Food Regulation

Certificate is available on request.