



Producer: Saudi Basic Industries Corporation (Sabic) /Saudi Arabia

M200024

Description:

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.

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.

DESCRIPTION OF PROPERTIES	UNIT	VALUE ⁽¹⁾	TEST METHOD
Physical Properties			
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.