

M80064 Series

HDPE for Injection Molding

M80064 Series are injection molding grade High Density Polyethylene (HDPE) of narrow molecular weight distribution. They are intended for use in injection molding applications where rigidity, toughness and warp resistance are required. M80064 is available with UV stabilizer as M80064S.

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.

Saudi Basic Industries Corporation
P.O.Box 5101, Riyadh 11422
Kingdom of Saudi Arabia
Tel: 966 1 2258000
Fax: 966 1 2259000
Customers Technical Support
Tel: 966 1 2651661
Fax: 966 1 2653544
Toll-free 800 1245577
PE Sales:
Fax: 966 1 2258760
Website: www.sabic.com

Typical Applications

M80064 Series are designed to suit the manufacture of injection molded cases, crates, trays, industrial pails and other similar items requiring toughness and rigidity.

Physical Properties	Unit	Value ⁽¹⁾	ASTM Method
Melt index	g/10 min.	8.0	D-1238
Density	g/cm ³	0.964	D-1505
Vicat softening point	°C	128	D-1525
Brittleness temperature	°C	< -75	D-746
Tensile modulus @1%elongation	MPa	1240	D-638
Tensile strength @yield	MPa	33	D-638
Tensile strength @break	MPa	15	D-638
Tensile elongation @break	%	650	D-638
Izod impact	J/m	48	D-256
Hardness (shore D)	-	69	D-2240
ESCR (100%Igepal), F ₅₀	Hrs.	3	D-1693B

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 M80064 Series are:
 Barrel temperature °C (°F) = 230- 275 (450 - 525)
 Mold temperature °C (°F) = 32 - 38 (90 - 100)
 Injection pressure MPa (Psi) = 69 - 89 (10000 - 13000)

Food Regulation

Certificate is available on request.