

SABIC® HDPE M80064S

High Density Polyethylene

SABIC

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Technical Data

Product Description

M80064S is a UV stabilized, High Density Polyethylene injection molding grade with a narrow molecular weight distribution. It is typically used for injection molding applications where rigidity, toughness and warp resistance are required. Typical moulding conditions for SABIC® HDPE M80064S are: This product is not intended for and must not be used in any pharmaceutical/medical applications.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• SABIC		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• UV Stabilizer		
Features	• Good Rigidity • Good Toughness	• High Density • Narrow Molecular Weight Distribution	• UV Stabilized • Warp Resistant
Uses	• Rigid Packaging		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density ²	0.964 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)		ASTM D1693B
10% Igepal, F50	2.00 hr	
100% Igepal, Compression Molded, F50	3.00 hr	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus - 1% Secant (Injection Molded)	950 MPa	ASTM D638
Tensile Strength		ASTM D638
Yield	26.0 MPa	
Break	18.0 MPa	
Tensile Elongation (Break)	> 800 %	ASTM D638
Flexural Modulus ³	1000 MPa	ISO 178
Flexural Strength	25.0 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Unnotched Izod Impact	75 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore D)	62	ASTM D2240

Thermal	Nominal Value Unit	Test Method
Brittleness Temperature	< -75.0 °C	ASTM D746
Vicat Softening Temperature	125 °C	ASTM D1525

Notes

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

² 23°C

³ Type 1A



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Where to Buy

Supplier

SABIC

Web: <http://www.sabic.com/>

Distributor

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.

Telephone: 08452003040

Web: <http://www.distrupol.com/>

Availability: Denmark, Finland, Norway, Sweden

Erteco Rubber & Plastics AB

Telephone: +46-8-587-517-00

Web: <http://www.erteco.se/>

Availability: Denmark, Finland, Norway, Sweden

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: France

Guangzhou Hisun Chemical Co., Ltd.

Telephone: +86-20-8732-0686

Web: <http://www.hisunchemical.com>

Availability: China

Nexeo Solutions

Telephone: 800-531-7106

Web: <http://www.nexeosolutions.com/>

Availability: North America

Nexeo Solutions - Europe

Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

Telephone: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

Availability: Poland

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

