SABIC® HDPE M80064

High Density Polyethylene

SABIC

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Technical Data

Product Description

M80064 is a High Density Polyethylene grade with narrow molecular weight distribution suitable for injection molding applications. It has been designed to give good rigidity, toughness and low warpage.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• SABIC		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Industrial Applications	• Material Handling	• Rigid Packaging

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (73°F (23°C))	0.964 g/cm³	0.964 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693B
10% Igepal, F50	2.00 hr	2.00 hr	
100% Igepal, Compression Molded, F50	3.00 hr	3.00 hr	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus - 1% Secant	138000 psi	950 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	3770 psi	26.0 MPa	
Break	2610 psi	18.0 MPa	
Tensile Elongation (Break)	> 800 %	> 800 %	ASTM D638
Flexural Modulus	239000 psi	1650 MPa	ASTM D790
Flexural Strength (Injection Molded)	6090 psi	42.0 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Unnotched Izod Impact	1.4 ft·lb/in	75 J/m	ASTM D4812
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	62	62	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Brittleness Temperature	< -103 °F	< -75.0 °C	ASTM D746
Vicat Softening Temperature	257 °F	125 °C	ASTM D1525

Notes

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

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Where to Buy

Supplier

SABIC
Web: http://www.sabic.com/

Distributor

AECTRA
Telephone: +33-4-72-54-36-42
Web: https://www.aectra.fr/
Availability: France

AGI-Augusto Guimarães & Irmão
Telephone: +351-22753-7400
Web: https://www.agi.pt/en/
Availability: Portugal

Conventus Polymers
Telephone: 973-343-7669
Web: http://www.conventuspolymers.com/
Availability: North America

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

Guzmán Polymers
Telephone: +34-963-992-400
Web: https://www.guzmanglobal.com/en/productos/plastics/
Availability: Italy, Spain, Turkey

Plastoplan
Telephone: +43-1-25040-0
Web: https://www.plastoplan.com/
Availability: Czech Republic, Poland, Slovakia

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

SOTAC Tecnopolimeri
Telephone: +39-071-781182
Web: https://www.sotac.it/
Availability: Italy

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