

DOW™ HDPE 8262B

High Density Polyethylene Resin
The Dow Chemical Company

Technical Data

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• The Dow Chemical Company
Availability	• Latin America
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a
Forms	• Pellets

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.960 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance 50°C, 100% Igepal	3.00 hr	ASTM D1693

Mechanical	Nominal Value Unit	Test Method
Tensile Strength		ASTM D638
Yield	29.0 MPa	
Break	17.0 MPa	
Tensile Elongation (Break)	670 %	ASTM D638
Flexural Modulus	1110 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	15 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore D)	81	ASTM D2240

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	130 °C	ASTM D1525

Injection	Nominal Value Unit
Processing (Melt) Temp	190 to 270 °C
Mold Temperature	10.0 to 21.0 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.