



DOW™ HDPE 8262B High Density Polyethylene Resin

Overview DOW™ HDPE 8262B is high density resin designed for use in reusable boxes and drawers as well as injection of rigid parts.

Main Characteristics

- High Density Polyethylene Resin (HDPE)
- Excellent processability, UV stabilized

Complies with:

- U.S. FDA 21 CFR 177.1520 (c) 3.2a

Consult the regulations for complete details.

Additive • Antiblock: No • Slip: No • Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.960 g/cm ³	0.960 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 122°F (50°C), 100% Igepal	3.00 hr	3.00 hr	ASTM D1693
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield	4200 psi	29.0 MPa	
Break	2470 psi	17.0 MPa	
Tensile Elongation (Break)	670 %	670 %	ASTM D638
Flexural Modulus	160000 psi	1110 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.28 ft-lb/in	15 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	81	81	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	266 °F	130 °C	ASTM D1525
Additional Information	Nominal Value (English)	Nominal Value (SI)	
UV Stabilizer			
Injection	Nominal Value (English)	Nominal Value (SI)	
Processing (Melt) Temp	374 to 518 °F	190 to 270 °C	
Mold Temperature	50 to 70 °F	10 to 21 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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