Technical Information

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/cm³	0.960	g/cm³	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)					ASTM D1693
122°F (50°C), 100% Igepal	3.00	hr	3.00	hr	
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.

塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168