DOW™ HDPE DMDA-8810 NT 7

The Dow Chemical Company - High Density Polyethylene Resin

Tuesday, November 5, 2019

General Information

Product Description

- For Extrusion Coating Applications
- Complies with U.S. FDA 21 CFR 177.1520 (c)
- Europe Commission Regulation (EU) No 10/2011
- Consult the regulations for complete details

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antiblock: No	• Processing Aid: No	• Slip: No
Agency Ratings	• EU 2011/10/EC	• FDA 21 CFR 177.1520(c)	
Forms	• Pellets		
Processing Method	• Extrusion Coating		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	12	g/10 min	ASTM D1238
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	262	°F	ASTM D1525
Melting Temperature (DSC)	270	°F	Internal Method

Processing Information

Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	575 to 630	°F	
Melt Temperature (Aim)	600	°F	
Maximum Line Speed [2]	> 25.0	ft/sec	Internal Method
Minimum Coating Thickness [2]	0.25	mil	Internal Method
Minimum Coating Weight [2]	4.0	lb/ream	Internal Method
Neck-in [2] (610°F, 1.0 mil)	2.8	in	Internal Method

Extrusion Notes

Fabrication Conditions For Extrusion Coating:

- Screw Size: 3.5 in. (89 mm); 30:1 L/D
- Screw Type: Single Flight
- Die Gap: 20 mil (0.508 mm)
- Melt Temperature: 600°F (300°C)
- Output: 250 lb/hr
- Screw Speed: 90 rpm

Notes

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

[2] 1.0 mil (25µm) coating onto 50 lb Kraft paper.

powered by PROSPECTOR®
www.ulprospector.com

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.
The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.