

DOW™ HDPE DGDA-2485 NT

High Density Polyethylene Resin

The Dow Chemical Company

Message:

Comply with industry standards
ASTM D 3350: step-by-step PE346460A (see Note 1)
American State Highway and Transportation Workers Association (AASHTO) M294/MP7 (see Note 2)
DOW DGDA-2485 NT high density polyethylene resin is prepared by UNIPOL™II process technology is widely used, including extrusion processing of profiles such as corrugated pipes. It combines excellent ESCR/NCLS performance with excellent toughness and processability.
remarks:
(1) the first 5 digits in the standard grade represent the primary color resin used in the product. The last digit and the following letters represent black resin (6.5% DFNF-0092 is added to the primary color resin).
(2) Under appropriate processing conditions, carbon black masterbatch DFNF-0092 (6.5%) can be added to extrude the primary color resin.

General Information			
Agency Ratings	AASHTO M294/MP 7		
	ASTM D 3350 PE346460A		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.947	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.060	g/10 min	ASTM D1238
190°C/21.6 kg	9.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	21.4	MPa	ASTM D638
Fracture	40.0	MPa	ASTM D638
Tensile Elongation (Break)	> 690	%	ASTM D638
Flexural Modulus ¹	1280	MPa	ASTM D790B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Melting Temperature (DSC)	131	°C	Internal method
Additional Information	Nominal Value	Unit	Test Method
NCLS	> 5000	hr	ASTM F2136
根据 ASTM D 1928 程序 C 准备压缩模塑配件.属性将随着模塑条件和老化时间的变化而变化.			
Extrusion	Nominal Value	Unit	
Melt Temperature	193 - 227	°C	
Extrusion instructions			
制造条件: 螺杆类型:高质量 HDPE(对于完全熔解最好使用阻隔) 熔体温度范围:380-440 °F (193-225 °C)			

NOTE

1. Method I (three-point load)

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