DOW™ HDPE TCP-2495 NT

High Density Polyethylene Resin

The Dow Chemical Company

Message:

Comply with industry standards
ASTM D 3350: step PE335440A
DOW TCP-2495 NT high density polyethylene resin is prepared by UNIPOL™Processing technology. This product is specially used for processing all conduits and cables of CIC circuits, and is used in telecommunication and power cable applications. After blending the primary color resin with the color masterbatch, it can be processed in the existing pipe or pipeline extrusion process, and is suitable for all sizes.

General Information			
Agency Ratings	ASTM D 3350 PE335440A		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.946	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.21	g/10 min	ASTM D1238
190°C/21.6 kg	21	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance [1] (F0)	> 3000	hr	ASTM D1693C
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [2] (Shore D)	68		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [3]			ASTM D638
Yield	22.8	MPa	ASTM D638
Fracture	34.5	MPa	ASTM D638
Tensile Elongation [4] (Break)	> 1000	%	ASTM D638
Flexural Modulus	862	MPa	ASTM D790B
Slow crack propagation PENT [5] (80°C)	> 10	hr	ASTM F1473
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [6] (23°C)	110	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature [7]	< -95.0	°C	ASTM D746A
Melting Temperature (DSC)	128	°C	Internal method
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	204 - 227	°C	

Extrusion instructions
挤塑管的制造条件: 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:400-440 °F (205-225 °C)
NOTE

1.	Prepare the compression molded fittings according to procedure C. Attributes will vary with molding conditions and aging time.
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3.	Prepare the compression molded fittings according to procedure C. Attributes will vary with molding conditions and aging time.
4.	Prepare the compression molded fittings according to procedure C. Attributes will vary with molding conditions and aging time.
5.	2.4 MPa
6.	Prepare the compression molded fittings according to procedure C. Attributes will vary with molding conditions and aging time.
7.	Prepare the compression molded fittings according to procedure C. Attributes will vary with molding conditions and aging time.

Recommended distributors for this material

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