

FINGERPRINT™ DFDA-7510 NT

Polyethylene Resin

The Dow Chemical Company

Message:

FINGERPRINT™DFDA-7510 NT linear low density polyethylene resin was prepared by UNIPOL™Processing technology. It is used in the processing of micro-irrigation pipes, durable hoses and pipe fittings, profile extrusion and injection molding fittings. this product can also be used as a blending component for the modification of high pressure, ultra-low density, linear low density or high density polyethylene resin to improve its physical properties. Outdoor applications need to add UV stabilizers to maintain excellent performance under long-term UV exposure.

Main features:

excellent environmental stress cracking resistance

Excellent blasting strength

Excellent stability and extrusion characteristics

excellent softness, easy to wind up.

slip agent content: none

opening agent content: none

industry standard

ASTM D 3350: step PE123110A

General Information			
Agency Ratings	ASTM D 3350 PE123110A		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.60	g/10 min	ASTM D1238
190°C/21.6 kg	44	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance ¹ (F0)	> 500	hr	ASTM D1693A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ² (Shore D)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³			ASTM D638
Yield	11.0	MPa	ASTM D638
Fracture	15.5	MPa	ASTM D638
Tensile Elongation ⁴ (Break)	800	%	ASTM D638
Flexural Modulus ⁵	310	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁶	< -100	°C	ASTM D746A
Extrusion	Nominal Value	Unit	
Melt Temperature	196 - 221	°C	
Extrusion instructions			

吹塑薄膜的制造条件:
螺杆类型:所有标准的商用挤出设备.
熔体温度范围:385 - 430 °F (196 - 221 °C)

NOTE

1.	Prepare the compression molding fitting as per D3350; ASTM D 1928 procedure C. Attributes will vary with molding conditions and aging time.
2.	Prepare the compression molded fitting according to ASTM D 1928 procedure C. Attributes will vary with molding conditions and aging time.
3.	Prepare the compression molded fitting according to ASTM D 1928 procedure C. Attributes will vary with molding conditions and aging time.
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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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