

DuPont™ 20 Series DPE-2010

Low Density Polyethylene

DuPont Packaging & Industrial Polymers

Message:

DuPont™ 20 Series DPE-2010, specialty low density polyethylene resin is characterized by low melt index and intermediate crystallinity. This product, produced via a unique polymerization process, has outstanding flexibility and environmental stress crack resistance.

Features: Contains Oleamide as a slip agent.

Characteristics/Benefits: DPE-2010 specialty polyethylene resins conform to the requirements of ASTM D1248-69, Type I, Class A, Category 3.

Applications: Injection blow molded bottles and tubes, and extruded tubing in particular used in medical, pharmaceutical, and personal care packaging

General Information			
Additive	Oleamide Slip		
Features	Good Flexibility		
	High ESCR (Stress Crack Resist.)		
	Low Flow		
Uses	Bottles		
	Cosmetic Packaging		
	Medical Packaging		
	Pharmaceutical Packaging		
	Tubing		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 3		
	DMF 1528		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
--	1.9	g/10 min	ASTM D1238
190°C/2.16 kg	1.9	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	109	°C	ASTM D3418, ISO 3146
Freezing Point			
--	96	°C	ISO 3146
--	96	°C	ASTM D3418

Injection	Nominal Value	Unit
Processing (Melt) Temp	180 to 235	°C

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