

# DuPont™ 20 Series DPE-2020T

Low Density Polyethylene  
DuPont Packaging & Industrial Polymers

Message:

DuPont™ 20 Series DPE-2020T, 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. Characteristics/Benefits: DPE-2020T is mainly intended for use in extruded tubing, and passes a DuPont test method to screen for potential tube defects. Applications: Injection blow molded bottles and tubes, and extruded tubing in particular used in medical, pharmaceutical, and personal care packaging

General Information			
Features	Food Contact Acceptable		
	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		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	109	°C	ASTM D3418, ISO 3146
Freezing Point			
--	93	°C	ISO 3146
--	93	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 235	°C	

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