

# DuPont™ 20 Series DPE-20-6064

Low Density Polyethylene

DuPont Packaging & Industrial Polymers

Message:

DuPont™ 20 Series DPE-20-6064, 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 polyethylene glycol (PEG) as a mold release additive.

Characteristics/Benefits: DPE-20-6064 specialty polyethylene resins conform to the requirements of ASTM D1248-69, Type I, Class A, Category 3

Applications: Injection blow molded bottles and tubes, in particular used in medical and pharmaceutical packaging.

General Information			
Additive	Mold Release 2		
Features	Food Contact Acceptable		
	Good Flexibility		
	Good Mold Release		
	High ESCR (Stress Crack Resist.)		
	Low Flow		
Uses	Bottles		
	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	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)	1.9	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	109	°C	ASTM D3418, ISO 3146
Freezing Point			
--	94	°C	ISO 3146
--	94	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 235	°C	

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