

Network Polymers HDPE 50 0863

High Density Polyethylene

Network Polymers, Inc.

Message:

Network Polymers HDPE 50 0863 is a High Density Polyethylene product. It is available in North America. Typical application: Food Contact Applications. Primary characteristic: food contact acceptable.

General Information			
Features	Food Contact Acceptable		
	High Density		
Uses	Non-specific Food Applications		
Agency Ratings	ASTM D 1248, IV, Class A, Cat. 2		
	ASTM D 1248, IV, Class A, Cat. 3		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.9	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Flexural Modulus ²	1380	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	101	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.1	°C	ASTM D746
Vicat Softening Temperature	194	°C	ASTM D1525
NOTE			
1.	Procedure A		
2.	Method I (3 point load)		

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