

DOW™ HDPE 7808 C

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ HDPE 7808 C is a High Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ HDPE 7808 C are:

Antiblock

Processing Aid

Slip

Typical application of DOW™ HDPE 7808 C: Food Contact Applications

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.943	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	7.0	g/10 min	
190°C/5.0 kg	0.22	g/10 min	
Environmental Stress-Cracking Resistance (100°C, 2.00 mm, 100% Igepal)	> 2000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	20.6	MPa	
Break	32.4	MPa	
Tensile Elongation (Break)	660	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525
Oxidation Induction Time (200°C)	> 60	min	ASTM D3895
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	165	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	200	°C	
Cylinder Zone 4 Temp.	205	°C	
Die Temperature	200 to 215	°C	

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