

DOW™ MDPE NG6895

Medium Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ MDPE NG6895 is a Medium Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ MDPE NG6895 are:

Antiblock

Processing Aid

Slip

Typical application of DOW™ MDPE NG6895: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a 2		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.939	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	11	g/10 min	
190°C/5.0 kg	0.38	g/10 min	
Environmental Stress-Cracking Resistance			ASTM D1693
50°C, 10% Igepal, F0	> 2000	hr	
50°C, 10% Igepal, F50	> 3000	hr	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (2.00 mm)	800	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	2000	µm	
Tensile Strength - MD			ASTM D882
Yield, 2000 µm	19.0	MPa	
Break, 2000 µm	30.0	MPa	
Tensile Elongation - MD (Break)	> 800	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	82	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	118	°C	ASTM D1525
Oxidation Induction Time (200°C)	> 110	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	

Melt Temperature

200 to 210

°C

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