

DOW™ MDPE 8818 YW

Medium Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ MDPE 8818 YW is a Medium Density Polyethylene Resin material. It is available in Latin America.

General Information			
Agency Ratings	ASTM D 3350 PE334363E		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.77	g/10 min	
190°C/21.6 kg	22	g/10 min	
Environmental Stress-Cracking Resistance			
50°C, 10% Igepal, F0	> 3600	hr	ASTM D1693
100°C, 100% Igepal, F0	> 3000	hr	ASTM D1693C
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - 2% Secant	656	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD			ASTM D882
Yield	18.0	MPa	
Break	29.0	MPa	
Tensile Elongation - MD (Break)	630	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time	> 90	min	ASTM D3895
Thermal Stability	> 220	°C	ASTM D3350
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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