

DOW™ MDPE 8818C

Medium Density Polyethylene Resin

The Dow Chemical Company

Message:

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

General Information			
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/2.16 kg	0.15	g/10 min	
190°C/21.6 kg	17	g/10 min	
Environmental Stress-Cracking Resistance (100°C, 100% Igepal, F0)	> 2000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	18.0	MPa	
Break	29.0	MPa	
Tensile Elongation (Break)	630	%	ASTM D638
Flexural Modulus - 2% Secant	578	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (200°C)	> 90	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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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