

DOW™ 8818 YL-CF

Medium Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW 8818 YL-CF is a yellow compound, Cadmium free, for manufacturing of pipes and fittings for gas distribution pipeline.

The base resin is a 1-Hexene copolymer Medium Density Polyethylene. This resin presents good processability, excellent stress cracking resistance (ESCR) and good performance at low temperatures.

The long term hydrostatic strength (LTHS) at 20°C is greater than 8 MPa, and then is classified as PE80 according to ISO 9080 standard.

Complies with:

ISO 9080

NAG-129 (Ente Nacional Regulador del Gas, ENARGAS). Certificate # 1534-02 granted by Instituto del Gas Argentino

Consult the regulations for complete details.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
Natural	0.940	g/cm ³	
Yellow	0.942	g/cm ³	
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	19	g/10 min	
190°C/5.0 kg	0.77	g/10 min	
Environmental Stress-Cracking Resistance (100°C, 100% Igepal, F0)	> 3000	hr	ASTM D1693C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	21.0	MPa	
Break	33.0	MPa	
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus - 2% Secant	827	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	119	°C	ASTM D1525
Oxidation Induction Time (200°C)	> 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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT