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				A Lyondell Company
	Alathon®			
	M6080WC			
	High Density Polyethylene			
	Wire and Cable Grade			
	Melt Index 8.0 Density	0.958		
Applications	ALATHON M6080WC is a natural high			
	weight distribution formulated for use as primary insulation for coaxial and control cable			
	applications including gas-injected or chemically expanded insulation. This resin provides enhanced processability and stiffness and exhibits excellent color, low odor and good processing			
	stability.			
Processing Techniques	ALATHON M6080WC, like other the			
rechniques	insulation using a conventional extruder. Below are suggested extrusion conditions for M6080WC. These conditions are intended as general guidelines only and are not optimum values, since			
	manufacturing conditions such as extruder type and size affect the processing of thermoplastic			
	resins.			
Suggested	Extruder Zone Temperature Ran	ge Extruder	Zone	Temperature Range
General	Feed 300° - 325°F (149°	- 163°C) Adapter		475° - 500°F (246° - 260°C)
Extrusion	Zone 2 350° - 400°F (177°			475° - 500°F (246° - 260°C)
Conditions	Zone 3 400° - 450°F (204° Zone 4-X 475° - 500°F (246°		nperature	475° - 500°F (246° - 260°C)
	20110 4 7 473 - 300 1 (240	200 0)		
Industry	ALATHON M6080WC meets the requirements of the following: ASTM D 1248, Type III, Category 3,			
Specifications	Class A, Grade E11, LP 390C Type I	I, Class H Grade 4, Cate	egory 3.	
Typical	Property	Nominal Value	Units	ASTM Test Method
Properties	Melt Index	8.0	g/10 min	D 1238
	Density	0.958	g/cm³	D 1505
	Tensile Strength @ Yield	3,900 (26.9)	psi (MPa)	D 638
	Tensile Stress @ Break	3,100 (21.4)	psi (MPa)	D 638
	Elongation @ Break	1,900	%	D 638
	Flexural Modulus, 1% Secant	192,000 (1,324)	psi (MPa)	
	Hardness, Shore D	67		D 2240
	Dielectric Constant @ 1 MHz	2.36	<b>_</b>	D 1531
	Dissipation Factor @ 1 MHz	0.00003	Radians	D 1531
	Dielectric Strength (DC)	700	Volts/mil	D 149
	Volume Resistivity	3 x 10 <sup>17</sup>	Ohms-cm	
	Low Temperature Brittleness, $F_{50}$	<-76	°C	D 746
	Vicat Softening Point	130	°C	D 1525