(+) 188 1699 6168 hongrunplastics.com



		<u>1</u>				A Lyo	ndell Company
	Alathon®						
	M537	<b>OWC</b>					
	High Density I	Polyethylene					
	Wire and Cabl						
	Melt Index	7.3 Density	0.953				
Applications	ALATHON M5370WC is a natural, high density, polyethylene copolymer resin with a narrow molecular weight distribution formulated for use as primary insulation for coaxial and control cable applications including gas-injected or chemically expanded insulation. M5370WC provides high impact strength and stress crack resistance, excellent color, low odor and good processability.						
Processing Techniques	M5370WC, like other thermoplastic polyolefin resins, can be extruded as wire and cable insulation using a conventional extruder. Below are suggested extrusion conditions for M5370WC. 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 General Extrusion Conditions	Extruder ZoneTemperature RangeFeed300°-325°F (149°-1Zone 2350°-400°F (177°-2Zone 3400°-450°F (204°-2Zone 4-X475°-500°F (246°-2		2-163°C 2-204°C) 2-232°C)	53°C Adapter 04°C) Die 82°C) Melt Temperat		475°-500°F (246°-260°C) 475°-500°F (246°-260°C)	
Industry Specifications	M5370WC meets the requirements of the following: ASTM D 1248, Type III, Category 3, Class A, Grade E11.						
Typical Properties	Property Melt Index Density Tensile Strength @ Yield Tensile Stress @ Break Elongation @ Break Flexural Modulus, 1% Secant Hardness, Shore D Dielectric Constant @ 1 MHz Dissipation Factor @ 1 MHz Dissipation Factor @ 2 GHz Dielectric Strength (DC) Volume Resistivity Low Temperature Brittleness, F <sub>50</sub> Vicat Softening Point		7.3 0.953 3,700 (25. 3,500 (24. 1,700 185,000 (1 67 2.34 0.00002 0.00002 700 4 x 10 <sup>17</sup> <-76	0.953 3,700 (25.5) 3,500 (24.1) 1,700 185,000 (1,276) 67 2.34 0.00002 0.00002 700 4 x 10 <sup>17</sup>		n AS AS a) AS a) AS AS AS AS AS Eq iil AS :m AS	st Method TM D 1238 TM D 1505 TM D 638 TM D 638 TM D 638 TM D 790 TM D 2240 TM D 1531 TM D 1531 uistar TM D 1531 uistar TM D 149 TM D 257 TM D 746 TM D 1525