

EL-Lene™ H5211PYL

High Density Polyethylene

SCG Chemicals Co., Ltd.

Message:

EL-Lene H5211PYL is a yellow, bimodal technology, high density polyethylene compound that is specially designed for striping. EL-Lene H5211PYL consists of high UV stabilizer and anti-oxidant which are well dispersed and provides outstanding UV resistance and high thermal stability for long term using.

General Information			
Additive	Antioxidant		
	UV Stabilizer		
Features	Antioxidant		
	Good Processability		
	Good Thermal Stability		
	Good UV Resistance		
	High Strength		
Uses	Piping		
Appearance	Yellow		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.45	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (25% Igepal, F0)	> 10000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/100
Yield	25.0	MPa	
Break	34.0	MPa	
Tensile Strain (Break)	870	%	ISO 527-2/100
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746

Extrusion	Nominal Value	Unit
Melt Temperature	180 to 200	°C

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