

# Hanwha Total PE 4141W

Linear Low Density Polyethylene  
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:  
4141W is a linear low-density polyethylene resin for croslinked wire coating applications as base resins for compounding with saline. This grade is designed for conventional compounding and coating process.

General Information			
Features	Crosslinkable		
	Good Processability		
	Good Thermal Stability		
	High ESCR (Stress Crack Resist.)		
	High Strength		
	Low Density		
Uses	Coating Applications		
	Compounding		
	Electronic Insulation		
	Wire & Cable Applications		
	Wire Jacketing		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.4	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	500	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Dielectric Constant	2.30		ASTM D150
Dissipation Factor	2.0E-4		ASTM D150

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#### Recommended distributors for this material

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