

LLDPE

4141W

LLDPE for wire compound

Application

Wire & cable, Silane crosslinkable PE

Characteristics

Thermal resistance stability, Excellent mechanical properties, Excellent ESCR, Electrical insulation

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	2.4
Density	ASTM D1505	g/cm ³	0.92
Tensile strength(at break)	ASTM D638	kg/cm ²	200
Elongation	ASTM D638	%	700
Brittleness temperature	ASTM D746	°C	<-70
Environmental stress crack resistance	ASTM D1693 (F ₅₀ , 50°C, 10 % Igepal)	hrs	>500
Dielectric constant	ASTM D1531	-	2.3
Dielectric Loss factor	ASTM D1531	-	0.0002
Volume resistivity	ASTM D257	Ωcm	>10 ¹³
Dielectric strength	ASTM D149	kV/mm	>30

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

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