Pro-fax EP315J

Polypropylene, Impact Copolymer

Product Description

Pro-fax EP315J low melt flow, electrical grade polypropylene copolymer resin has outstanding toughness, flex-life and abrasion resistance. This resin demonstrates good processing behavior and is tailored for trouble-free production of primary cable insulation, especially filled telephone cable because its unique stabilizer system resists extraction by petroleum-jelly base filling compounds.

Because of its ease of processing and resultant low operating pressures, *Pro-fax* EP315J resin keeps wire draw to a minimum and consequently has been the preferred resin for 24 and 26 AWG wire.

Typical applications include telephone singles and general primary insulation.

For regulatory compliance information see *Pro-fax* EP315J Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Features	Low Density, Good Electrical Properties, High ESCR (Environmental Stress Cracking Resistance), Good Processability

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity (Method B)	ASTM D 792	0.90	sp gr 23/23°C
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	2.6	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790		
(0.05 in/min, 1% Secant, Procedure A)		150000	psi
(1 mm/min, 1% Secant)		1035	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		3200	psi
(50 mm/min)		22	MPa
Tensile Elongation @ Yield	ASTM D 638	7	%
Thermal			
Brittleness Temperature	ASTM D 746	-30	°C
Electrical			
Volume Resistivity	ASTM D 257	>1.0E+015	
Dielectric constant			
(100000)		2.250	
(1000000)		2.250	
Dissipation factor	ASTM D 150		
(100000)		0.00030	
(1000000)		0.00030	

Additional Properties

Oxidative Induction Time @ 200°C ASTM D3895 >20 min.

Notes

Typical properties; not to be construed as specifications.

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