



**TYRIN™ 3611P**  
Chlorinated Polyethylene

Properties <sup>(1)</sup>		English	Metric
Typical Physical	Test Method		
Bulk Density, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	Dow Method	29	0.46
Melt Viscosity, Pa.s	Dow Method	800	800
Chlorine Content, %	Dow Method	36	36
Heat of Fusion, cal/g (J/g)	Dow Method	0.4	1.7
Volatiles, % maximum	Dow Method	0.2	0.2
Typical Screen Analysis, Percent Retained on 20 mesh	ASTM D 1921	5	5
Mooney Viscosity, ML 1 + 4 @ 121°C	ASTM D 1646	30	30
Specific Gravity	ASTM D 792	1.16	1.16
<b>Formulated — Thermoplastic<sup>(2)</sup></b>			
Tensile Strength, psi (MPa)	ASTM D 412	1400	9.7
Ultimate Tensile Elongation, %	ASTM D 412	800	800
100% Modulus, psi (MPa)	ASTM D 412	250	1.7
Hardness Shore A	ASTM D 2240	70	70
Low Temperature Brittleness °F (°C)	ASTM D 746	-55	-48
<b>Formulated — Elastomer<sup>(3)</sup></b>			
Tensile Strength, psi (MPa)	ASTM D 412	2205	15.2
Ultimate Tensile Elongation, %	ASTM D 412	280	280
200% Modulus, psi (MPa)	ASTM D 412	1305	9.0
Hardness Shore A	ASTM D 2240	76	76
Mooney Viscosity, MS 1 @ 121°C min.	ASTM D 1646	14	14

(1) These are typical properties only and are not to be regarded as sales specifications.

(2) Data refers to the following formulation:

TYRIN CPE Resin           100 parts  
Calcium Stearate         2 phr  
Stearic Acid               0.5 phr  
Epoxidized Soya Oil     3 phr

(3) Data refers to the following formation:

TYRIN CPE Elastomer   100 parts  
Lead Dispersion K202M (80) 10 phr  
N-550 Carbon Black     40 phr  
Trioctyl Trimellitate    15 phr  
Triallyl Isocyanurate    2 phr  
Dicumyl Peroxide, 40% active 7 phr  
Cure: 30 min at 320°F (160°C)

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