

Durolon® V2700

Polycarbonate

Unigel Plásticos

Message:

Extrusion molding polycarbonate.

For application that requires enhanced UV resistance.

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
	Definition, high		
UL File Number	E102385		
Appearance	Available colors		
	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	4.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.23	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	75		ASTM D785
Class r	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638, ISO 527-2
Tensile Strength			ASTM D638, ISO 527-2
Yield	73.0	MPa	ASTM D638, ISO 527-2
Fracture	78.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	110	%	ASTM D638, ISO 527-2
Flexural Modulus	2350	MPa	ASTM D790, ISO 178
Flexural Strength	95.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648, ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.60 mm)	29	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	2.91		ASTM D150
1 MHz	2.85		ASTM D150
Dissipation Factor			ASTM D150
60 Hz	6.6E-4		ASTM D150
1 MHz	9.2E-3		ASTM D150
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Glow Wire Ignition Temperature (3.20 mm)	960	°C	IEC 60695-2-13
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.586		ASTM D542, ISO 489
Transmittance	89.0	%	ASTM D1003
Additional Information			

Volume Resistivity, ASTM D257: >1E16 ohm-cm Arc Resistance, ASTM D495: 100 to 120 sec

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

