

Durolon® VR2200 CR010

Polycarbonate

Unigel Plásticos

Message:

Durolon® VR2200 CR010 is a Polycarbonate (PC) material. It is available in Europe, Latin America, or North America for injection molding. Important attributes of Durolon® VR2200 CR010 are:

- Flame Rated
- Clarity
- Good Mold Release
- Good UV Resistance
- Medium Viscosity

General Information			
Additive	Mold Release		
	UV Stabilizer		
Features	Good Mold Release		
	Good UV Resistance		
	High Clarity		
	Medium Viscosity		
UL File Number	E102385		
Appearance	Clear - Blue Tint		
Forms	Pellets		
Processing Method	Injection Molding		
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)	12	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.23	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	75		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638, ISO 527-2
Tensile Strength			ASTM D638, ISO 527-2
Yield	68.0	MPa	
Break	73.0	MPa	
Tensile Elongation (Break)	100	%	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)	830	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°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		
1 MHz	2.85		
Dissipation Factor			ASTM D150
60 Hz	6.6E-4		
1 MHz	9.2E-3		
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	85.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Rear Temperature	260	°C	
Middle Temperature	270	°C	
Front Temperature	280	°C	
Nozzle Temperature	270	°C	
Processing (Melt) Temp	240 to 300	°C	
Mold Temperature	80.0 to 100	°C	

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



WECHAT