

SLOVASTER® C FRU 2

Polycarbonate

Plastcom

Message:

PC with the flame retardant on the basis of bromine hydrocarbons. Anisotropy of shrinkage enables the injection moulding of round, cylindrical or other hole products. Application in engineering, electrical and automotive industry. High mechanical properties also in conditioned state. Delivered in natural mode and in the full RAL colour scale.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
Uses	Automotive Applications		
	Gears		
	Power/Other Tools		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PC		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.65	%	
Flow	0.60	%	
Water Content	0.050	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	96.0	°C	ISO 75-2/B
Vicat Softening Temperature	110	°C	ISO 306/B
Melting Temperature (DSC)	240	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.00 mm)	V-0		UL 94
Glow Wire Ignition Temperature (1.00 mm)	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	80.0 to 90.0	°C	
Injection Pressure	60.0 to 100	MPa	

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