

EXPLORE® XP9003

Polycarbonate
Matrix Polymers

Message:

Explore XP9003 is a rotomouldable Polycarbonate powder. It's low viscosity make it an ideal grade for applications where good aesthetic properties are more important than impact strength. This material will conform to the UL94 V-2 fame retardancy test, is very rigid and very hard, and is available in clear or coloured forms.

General Information			
Additive	UV Stabilizer		
Features	Flame Retardant		
	Good Processability		
	High Hardness		
	High Stiffness		
	Low Viscosity		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	23.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	90		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	22.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	130	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	V-2		UL 94

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