

# EXPLORE® CT PP

Polypropylene  
Matrix Polymers

Message:

Explore CT PP is a rotomoulding composite technology based on a dual layer system designed to provide ultimate performance. The technology is based on a polypropylene (PP) outer layer (XP9041) and a polyolefin modified (XP9042) inner layer. The system combines the beneficial properties of the PP with improved impact resistance.

General Information			
Features	Good Moldability		
	High Hardness		
	High Heat Resistance		
	High Stiffness		
Appearance	Black		
	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (23°C, 6.00 mm)	95.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	120	°C	ISO 306/A50
Melting Temperature	160	°C	DSC
NOTE			
1.	1.3 mm/min		

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