

EXPLORE® CT PA

Polyamide 12

Matrix Polymers

Message:

Explore CT PA is a rotomoulding composite technology based on a dual layer system designed to provide ultimate performance in terms of hydrocarbon barrier and impact strength

The technology is based on a polyamide 12 (PA) outer layer and a polyolefin modified XP9015 inner layer. The system combines the beneficial properties of the PA12 with improved impact resistance

General Information			
Features	Good Flow		
	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	1.01	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact			
23°C, 6.00 mm	85.0	J	
23°C, 8.00 mm	138	J	
Service Temperature	120	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
NOTE			
1.	1.3 mm/min		

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