

Jackdaw PC DR18BK6400

Polycarbonate

Jackdaw Polymers

Message:

Jackdaw PC DR18BK6400 is a Polycarbonate (PC) product filled with 40% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.24	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	135	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1.5	%	ASTM D638, ISO 527-2
Flexural Modulus	8500	MPa	ASTM D790, ISO 178
Flexural Stress			
--	155	MPa	ISO 178
Break	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	150	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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