Electrafil® 02056

Polypropylene

Techmer Engineered Solutions

Message:

Electrafil® 02056 is a Polypropylene product filled with filler. It can be processed by injection molding and is available in North America. Primary characteristic: conductive.

General Information			
Filler / Reinforcement	Filler		
Features	Conductive		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.928	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	7.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.014	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790
Flexural Strength	26.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	No Break		ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	48.9	°C	ASTM D648
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+8 to 1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+8 to 1.0E+12	ohms·cm	ASTM D257
Additional Information	**Nominal Value**		
TPCI #	9111116		

Recommended distributors for this material

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