

CarmelStat™ CS 5015

Polypropylene

Carmel Olefins Ltd.

Message:

PP with improved stiffness for boxes and for shelves for circuit boards handling.
CS 5015 is the clean room compatible version of CS 1015.

General Information			
Features	Rigid, good		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	45.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Unnotched Izod Impact	360	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	160	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	ASTM D4496
Volume Resistivity	1.0E+9	ohms · cm	ASTM D257
Additional Information			
Volume Resistivity, ASTM D257: 1e6 to 1e9 ohm-cmSurface Resistivity, SEOS/ESD 11.11: 1e6 to 1e9 ohmsStatic Decay Time, MIL-B 81705C, +5000V to 50V: 0.1 secImpact Resistance, ASTM D5628: 4J			

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