

CarmelStat™ CS 6015

Polypropylene
Carmel Olefins Ltd.

Message:
PP with improved stiffness, cleanroom grade for wafer carriers and boxes.

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)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (Equilibrium)	0.060	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.0	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	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	150	°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 sec

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