

CarmelStat™ CS 5118

Polypropylene

Carmel Olefins Ltd.

Message:

Elastomer modified PP for boxes, containers and pallets.
CS 5118 is the clean room compatible version of CS 1118.

General Information			
Uses	Container		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	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)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	90	J/m	ASTM D256
Unnotched Izod Impact	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	130	°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 ohmsUnnotched Izod Impact, ASTM D256: >260 J/mStatic Decay Time, MIL-B 81705C, -5000V to 50V: 0.1 secImpact Resistance, ASTM D5628: 15J			

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