



KEACO INC.
1006 ASSEMBLY CIRCLE
SCHERTZ, TX 78154

TEL: (210) 651-6688
FAX: (210) 651-9020

TECHNICAL DATA SHEET

KEASTAT™ CLEAR ANTISTATIC POLYSTYRENE

KEASTAT™ clear antistatic polystyrene roll stock is a material designed for a wide range of thermoforming applications including carrier tape and trays that require a clear material with antistatic properties. This material also features good impact and tensile strength and is lower in cost versus clear polycarbonate materials.

Physical Property		Typical Value	Unit	Test Method
Physical:	Specific Gravity @ 23° C	1.08	g/cm ³	ASTM D-792
	Mold Shrinkage	0.25 – 0.5	%	ASTM D-955
	Hardness (15 second value)	75	Shore D	ASTM D-785
	Light Transmittance	88	%	ASTM D-1003
Mechanical:	Tensile Strength	MD ≥ 40 CD ≥ 35	MPa	ASTM D-638
	Tensile Elongation @ Break	MD ≥ 10 CD ≥ 15	%	ASTM D-638
Flexural:	Flexural Modulus	1480	MPa	ASTM D-790
Impact:	Notched Izod @ ¼", 23° C	38	Kg-cm/cm	ASTM D-256
Thermal:	Vicat Softening Point @ 10 N	199 93	°F °C	JIS K-7206
	Heat Distortion Temperature @ 1.81 MPa	176 80	°F °C	ASTM D-648
Electrical:	Surface Resistivity	10 ⁹	Ohm/sq	CABOT D-042

These values are typical in nature and are not intended for specification purposes.

Storage Life: At least one year when stored at less than 37° C (100° F), and sealed in the original packaging.

3/27/13

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