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TECHNICAL DATA SHEET

KEASTAT™ IS CONDUCTIVE POLYSTYRENE

KEASTAT™ IS (Industry Standard) conductive polystyrene roll stock features a unique PS/PS/PS trilaminate layered construction which is ideal for a wide range of thermoforming applications including carrier tape and trays. This material is an excellent choice for most any standard carrier tape pocket design as well as those designed with pocket features, pedestals and/or deep pockets. This competitively priced material also features low gloss for use with vision inspection systems to reduce glare.

Physical Property		Typical Value	Unit	Test Method
Physical:	Specific Gravity @ 23° C	1.06	g/cm ³	ASTM D-792
	Mold Shrinkage	0.4 – 0.7	%	ASTM D-955
	Hardness (15 second value)	75	Shore D	ASTM D-785
Mechanical:	Tensile Strength	MD 21-25 CD 19-23	MPa	ASTM D-638
	Tensile Elongation @ Break	MD 80-110 CD 70-100	%	ASTM D-638
Flexural:	Flexural Strength	40 - 45	MPa	ASTM D-790
	Flexural Modulus	1900	MPa	ASTM D-790
Impact:	Notched Izod @ ¼", 23° C	10.3	Kg-cm/cm	ASTM D-256
Thermal:	Vicat Softening Point @ 10 N	197 92	°F °C	JIS K-7206
	Heat Distortion Temperature @ 1.81 MPa	179 82	°F °C	ASTM D-648
Electrical:	Surface Resistivity	10 ⁴ - 10 ⁶	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.

1/01/19

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