



## Peninsula Plastics Recycling

530 South Tegner Road  
Turlock, California 95380  
Phone: (209)-669-6779

### Specifications for Crystalline Pelletized RPET Resin 100% Post-Consumer PET

<u>ATTRIBUTE</u>	<u>SPECIFICATION</u>
INTRINSIC VISCOSITY	0.71 ± 0.03 dL/gm
MELTING POINT	248° ± 3° C.
CRYSTALLINITY	36.0 % ± 5.0
CIE (L, a, b)* COLOR	L* 72.0 MIN. † a* - 1.5 ± 0.5 b* + 2.5 MAX.
PELLET SIZE	0.120" ± 0.020 MAJOR DIA.
PELLET SIZE RANGE (LOT)	0.035" MAX.
FINES	0.08 % MAX.
METAL, BLACK SPECKS, CONTAMINANTS	NONE ††
MOISTURE CONTENT	1 % MAX. (4)
BULK DENSITY	50 - 60 lbs/ ft <sup>3</sup> (5)

Peninsula Plastics Recycling MAKES NO WARRANTY BEYOND THE SPECIFICATIONS AND DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(4) Maximum theoretical equilibrium moisture content of crystallized PET upon exposure to 100% humidity ambient conditions is 0.7%. Resin is weighed for shipment when less than 0.2% moisture.

(5) Approximately 55 pellets / gram.

† ~~1976 CIE L,a,b~~ CIE 1931 10° Observer angle – D65 Illuminant; Reflectance method

†† Contaminant free as provided by continuous melt filtration by min. 150 Mesh screen. Other (Mesh sizes) available.

‡ Residual contaminants, as disperse glue, water-soluble inks, washing solutions, PVC, and Polyolef ns are tested for in fake by dye test method and pH.

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