



## Peninsula Plastics Recycling

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

<u>ATTRIBUTE</u>	<u>SPECIFICATION</u>
INTRINSIC VISCOSITY	0.82 ± 0.03 dL/gm.
MELTING POINT	246° ± 3° C.
CRYSTALLINITY	> 40%
CIE (L, a, b) COLOR	<b>L*</b> > 68.0 † <b>a*</b> - 1.5 ± 0.5 <b>b*</b> < 3.0
PELLET SIZE	0.120" ± 0.020 MAJOR DIA.
PELLET SIZE RANGE (LOT)	0.035" MAX.
FINES	0.08 % MAX.
METAL, BLACK SPECKS, CONTAMINANTS	NONE ††
RESIDUALS / VOLATILES	< .75 % ppm AA
MOISTURE CONTENT	0.75 % MAX. <sup>(3)</sup>
BULK DENSITY	50 - 60 lbs/ ft <sup>3</sup> (4)

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

<sup>(3)</sup> 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.

<sup>(4)</sup> 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.