## CHANGZHOU RUNYI NEW MATERIALI MPORT&EXPORT CO.,LTD

# *PETG Sheet -Technical Data Sheet*

| ***Property*** | ***Test Method*** | ***Units*** | |
|---|---|---|---|
| ***Physical Properties*** | | | |
| *Specific Gravity* | *ASTM D792* | *$g/cm^3$* | *1.27-1.32* |
| *Water Absorption* | *ASTM D570* | *%* | *<0.02* |
| ***Mechanical Properties*** | | | |
| *Tensile Strength* | *ASTM D638* | *MPa* | *45-65* |
| *Elongation at Break* | *ASTM D638* | *%* | *100-200* |
| *Flexural Modulus* | *ASTM D790* | *MPa* | *2200-2800* |
| *Impact Strength* | *ASTM D256* | *J/m* | *>100* |
| ***Thermal Properties*** | | | |
| *Heat Deflection Temperature (HDT-A)* | *ASTM D648* | *°C* | *75-80* |
| *Vicat Softening Temperature* | *ASTM D1525* | *°C* | *76-82* |
| ***Optical Properties*** | | | |
| *Light Transmission* | *ASTM D1003* | *%* | *88-92* |
| *Haze* | *ASTM D1003* | *%* | *<1* |
| *Gloss* | *ASTM D2457* | *GU* | *90-110* |
| ***Electrical Properties*** | | | |
| *Volume Resistivity* | *ASTM D257* | *Ω·m* | *$>1\times10^{14}$* |
| *Dielectric Strength* | *ASTM D149* | *kV/mm* | *>30* |
| *Dielectric Constant* | *ASTM D150* | *-* | *3.1-3.4* |
| *Dissipation Factor* | *ASTM D150* | *-* | *<0.01* |
| ***Fire Performance*** | | | |
| *Flammability* | *UL 94* | *-* | *V-0* |
| *Smoke Density* | *ASTM E662* | *-* | *<100* |
| ***Other Properties*** | | | |
| *Chemical Resistance* | *ASTM D543,ASTM D1308,ASTM D2240* | *-* | *Excellent* |
| *Weather Resistance* | *ASTM G154* | *-* | *Excellent* |

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