

# Pack 55 Pinewood Derby Rules



## **ALL CARS MUST PASS INSPECTION ON THE FOLLOWING POINTS TO QUALIFY**

1. The weight of the car may not exceed 5.0 ounces (which is 141.5 grams). The weight determined by the "neutral support" team's scale will be considered final.
2. The overall length of the car may not exceed 7 inches.
3. The overall width of the car may not exceed 2  $\frac{3}{4}$  inches.
4. The car must have 1  $\frac{3}{4}$ " clearance between the wheels (or it will rub against the track).
5. The car must have  $\frac{3}{8}$ " clearance underneath the body (or it will rub against the track).
6. The wood provided in the official kit must be used. Ready-made cars may not be used.
7. The only components to be used in the construction of your car are those supplied in the official kit, other than decorative items or weights.
8. The wheels supplied with the kit must be used. The wheels may not be modified in any way, except that you may lightly sand the wheels to remove the injection mold marking (the seam). The ribs on the wheel must be visible.
9. The axles (nails) supplied with the kit must be used. They may be sanded to remove the injection ridges. Neither solid axles nor liquid lubrication (oil) may be used.
10. Wheel bearings, washers or bushings are prohibited.
11. The car must not ride on any type of springs.
12. The car must be freewheeling, with no starting devices.
13. No loose parts of any kind may be used, such as lead shot. Weights must be attached.
14. The car may have no moving parts other than the wheels, and may make no noise other than the rattle of the wheels.

## **RACE RULES**

1. Neutral support will be provided to cars that need assistance to get to the required weight, and for slow-running cars.
2. Only dry lubricants such as graphite or powdered Teflon "white lube" will be allowed for lubricating the wheels. Only one lubrication is allowed before weighing in.
3. Once a car is accepted by the race organizers it will be given only to the racer, or to neutral support if maintenance is needed. Once accepted by the race organizers no modifications, adjustments, or solid lubrication will be permitted.
4. If a car leaves the track during the race without interfering with an opponent, its heat is over.
5. If a car leaves its lane a race organizer may, at his or her discretion, inspect the track and, if a track fault is found to be the cause, order the heat to be rerun after the track is repaired.

**AFTER A CAR HAS BEEN REGISTERED IT IS NOT TO BE ADJUSTED IN ANY WAY, EXCEPT BY NEUTRAL SUPPORT, UNTIL IT HAS COMPLETED ALL RACES.**