CHILDREN PLAYGROUND EQUIPMENT

COMMERCIAL MULTI-PLAY OUTDOOR COMBINATION STRUCTURE

Technical Data Sheet
Model: CPE-MULTI-7000

The **Children Playground Equipment** is a heavy-duty commercial outdoor play system engineered for public parks, primary schools, residential townships, and commercial resorts. Built with food-grade LLDPE rotational plastic components, galvanized steel posts with anti-UV powder coating, and anti-entrapment safety designs, it offers an engaging combination of multi-height slides, climbing ladders, activity panels, and bridge walkways.

KEY SAFETY & STRUCTURAL FEATURES

- **UV-Stabilized LLDPE Components:** Premium imported food-grade Linear Low-Density Polyethylene with anti-static and anti-fade additives.
- **Anti-Slip Decks & Stairs:** Heavy-gauge perforated steel platforms coated with rubberized PVC thermal dip insulation.
- **304 Stainless Steel Hardware:** Tamper-resistant 304 stainless steel bolts, security clamps, and hidden connection fasteners.
- **Heavy-Duty Steel Uprights:** Ø 114 mm hot-dip galvanized main columns with electro-static powder coating to prevent rusting.
- **Anti-Entrapment Safety Clearance:** Engineered according to strict EN 1176 / ASTM F1487 gap standards to eliminate head and finger traps.
- **Multi-Activity Modular Layout:** Combines spiral tube slides, double wave slides, rope climbers, monkey bars, and play panels.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION VALUE
Target Age Range	3 to 12 Years
Standard Overall Dimensions (L × W × H)	8.5 m × 6.2 m × 4.2 m (Custom Layouts Available)
Required Safety Zone / Clearance	11.5 m × 9.2 m (Minimum 1.8 m safety perimeter on all sides)
Main Support Posts Specification	Ø 114 mm Galvanized Steel Pipes (Wall Thickness: 2.5 mm)
Plastic Components Fabrication	Rotational Molded LLDPE (Thickness: 6–8 mm, Anti-UV Grade 8)
Platform & Stair Construction	2.2 mm Perforated Steel Plate with 3 mm PVC Anti-Slip Coating
Ropes & Netting Material	Ø 16 mm 6-Strand Steel Core Vandal-Resistant Combination Rope
Maximum Simultaneous Capacity	Up to 30 Children
Max. Free Fall Height (FFH)	1.8 m (Requires compliant impact-absorbing rubber flooring)
Safety Certification Compliance	EN 1176 / ASTM F1487 / ISO 9001 / CE / TÜV Certified

PARAMETER	SPECIFICATION VALUE
Foundation Installation Type	In-Ground Concrete Footing (600 mm depth) or Surface Anchor Baseplates
Total Structure Net Weight	Approx. 1,420 kg

APPLICATIONS & VENUE TYPES

Public Parks & Townships

Municipal recreation grounds, residential housing societies, and public urban parks.

Schools & Daycares

Primary school yards, kindergarten playgrounds, and early childhood activity centers.

Resorts & Malls

Commercial family resorts, outdoor hotel play areas, and shopping center courtyards.

* Equipment must be installed on a level surface with approved impact-absorbing safety surfacing (Pour-in-Place Rubber, EPDM, or EPDM Safety Tiles) per EN 1177 / ASTM F1292.