

# 2440TC

## Polypropylene (PP)

### Description:

2440TC is a Polypropylene Block Copolymer resin for injection molding process. Its highlight featuring is excellent flow and short cycle time. It is suitable for many applications such as container, parts of electrical appliances such as washing machine and etc. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	55
Tensile Strength at Yield	ASTM D638	N/mm <sup>2</sup>	24
Elongation at Yield	ASTM D638	%	13.5
Izod Notched Impact Strength (at -20°C)	DIN 53453	J/m	30
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1300
Rockwell Hardness	ASTM D785	R-Scale	96
Heat Distortion Temperature (Load 0.45 N/MM <sup>2</sup> )	ASTM D 648	°C	125

### Processing Technique

**Processing Temperature : 190 – 240 °C**

\*\*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.\*\*

**Remark:** The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.