



# POLIFIL® TPO-60D12 DATA SHEET

DOING THE NEEDFUL SINCE 1973

## Thermoplastic Polyolefin

**Polifil® TPO-60D12** is a stabilized injection molding grade of compounded TPO utilizing metallocene catalyst technology. This product is intended for applications requiring outstanding impact properties at both ambient and low temperatures. Typical applications include automotive bumper and fascia components, recreational vehicle cowls, and lawn and garden machinery guards. Use this information as a guide to aid you in selecting the proper resin for your application. TPG will custom compound and fine-tune our formulations to meet your application requirements.

PHYSICAL	ASTM/ Method	Polifil® TPO-60D12
Specific gravity	D 792	0.91
Melt flow 230/2.16 (g/10 min)	D 1238	Nominal 12
Water absorption, 24 hours (%)	D 570	nil
Mold shrinkage (%)	TPG	1.8
<b>MECHANICAL @ 73°F</b>		
Tensile strength @ yield (MPa)	D 638	19.1
Elongation @ break (%)	D 638	>500
Flexural modulus, 1% secant (MPa)	D 790	790
Izod impact, notched, 73°F (kJ/m2)	D 256	54
Izod impact, notched, 0°F (kJ/m2)	D 256	20
Gardner impact, 1/2" tup (J)	D 5420	40 ductile failure
Hardness, shore (D-scale)	D 955	60
<b>THERMAL</b>		
Deflection temperature, 66psi (°C)	D 648	74

The Plastics Group of America

