

Good Processability. Total Petrochemicals Polypropylene 3622 is engineered for good processability in thin wall multi-cavity molds.

Good Clarity. 3622 has good contact/see-through clarity, and is easily printed with silk screen or hot stamping techniques.

FDA. 3622 complies with all applicable FDA regulations and may be used under those provisions for food contact applications.

Recommended Applications. Recommended for the injection molding of house wares, utility boxes and containers, as well as general purpose extrusion.

Processing. This resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Call the nearest Total Petrochemicals Polypropylene Sales Office for additional information.

Resin Properties

<u>Resin Properties</u>	<u>Typical Values</u>	<u>ASTM Methods</u>
Melt Flow, g/10min.	12	D-1238 Condition "L"
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	330 (165)	DSC

Mechanical Properties

Tensile, psi (MPa)	4,800 (33)	D-638
Elongation, %	11	D-638
Tensile Modulus, psi (MPa)	220,000 (1,520)	D-638
Flexural Modulus, psi (MPa)	220,000 (1,520)	D-638
Izod Impact @ 73°F		D-256A
Notched - ft.lb./in. (J/m)	0.6 (3.21)	
Unnotched - ft.lb./in. (J/m)	18.0 (955)	
Hardness (Rockwell R) 103		D-785A

Thermal Properties

Heat Deflection		D-648
°F @ 66 psi	250	
°C @ 4.64 kg/cm	121	

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.