

TOTAL Polypropylene PPH 3622

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 3622 is engineered for good processability in thin wall multi-cavity molds. 3622 has good contact/see-through clarity, and is easily printed with silk screen or hot stamping techniques. 3622 complies with all applicable FDA regulations and may be used under those provisions for food contact applications. Recommended for the injection molding of house wares, utility boxes and containers, as well as general purpose extrusion.

General Information			
UL YellowCard	E66261-247991		
Features	Contact Clarity		
	Excellent Printability		
	Food Contact Acceptable		
	Good Processability		
Uses	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	121	°C	ASTM D648

Melting Temperature	166	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 232	°C	

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