TAIRIPRO® T1202

Formosa Chemicals & Fibre Corporation - *Polypropylene Homopolymer*

General Information

Product Description			
Extrusion & Blow Molding Features: high stiffness, heat resistance, clarity			
General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Clarity • Good Heat Resistance	• High Stiffness • Homopolymer	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
UL File Number	• E162823		
Appearance	• Clear/Transparent		
Processing Method	• Blow Molding	• Extrusion	

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity [2]	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.6	g/10 min	ISO 1133
Molding Shrinkage - Flow (73°F)	0.015 to 0.019	in/in	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (73°F)	5400	psi	ASTM D638
Tensile Elongation [3] (Break, 73°F)	> 200	%	ASTM D638
Flexural Modulus (73°F)	256000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
73°F, 0.125 in	0.83	ft·lb/in	
73°F, 0.157 in	0.83	ft·lb/in	
Notched Izod Impact Strength			ISO 180
73°F, 0.125 in	21	ft·lb/in²	
73°F, 0.157 in	21	ft·lb/in²	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	108		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load [4] (66 psi, Unannealed, 0.250 in)	275	°F	ASTM D648

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 23°C

[3] 2.0 in/min

[4] 120°C/h