TOTAL Polypropylene PPC 3660

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals PPC 3660 is a heterophasic copolymer polypropylene with a Melt Flow Index of 1.3 g/min for the cast extrusion of films with superior mechanical properties and retort-able.
Polypropylene PPC 3660 is characterized by a low fluidity hence good melt strength to provide ease of processing and good manufactured article properties.
Polypropylene PPC 3660 is intended for applications like food packaging, lamination films, stand up pouches, heat-sterilized packaging,
Polypropylene PPC 3660 is suitable particularly for the extrusion of corrugated cardboard, profiles and for extrusion-thermoforming applications where high impact resistance is required.

General Information	
Features	Good Melt Strength Good Processability Good Sterilizability High Impact Resistance Low Flow
Uses	Corrugated Sheet Laminates Packaging Profiles
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Extrusion Film Extrusion Profile Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Apparent Density	0.53	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	77		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2

Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Stress			ISO 527-3
MD : Yield, 50 µm, Cast Film	20.0	MPa	
TD : Yield, 50 µm, Cast Film	18.0	MPa	
MD : Break, 50 µm, Cast Film	60.0	MPa	
TD : Break, 50 µm, Cast Film	34.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm, Cast Film	500	%	
TD : Break, 50 µm, Cast Film	600	%	
Dart Drop Impact (50 µm, Cast Film)	580	g	ISO 7765-1
Elmendorf Tear Strength [1]			ISO 6383-2
MD : 50.0 µm	11.0	kN/m	
TD : 50.0 µm	235.0	kN/m	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m^2	
23°C	> 50	kJ/m^2	
Notched Izod Impact Strength			ISO 180
-20°C	7.0	kJ/m^2	
23°C	> 50	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 50.0 µm, Cast Film)	15		ASTM D2457
Haze (50.0 µm, Cast Film)	65	%	ISO 14782
NOTE			
1.	Cast Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China