TOTAL Polypropylene PPC 2660

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals PPC 2660 is a heterophasic copolymer polypropylene with a Melt Flow Index of 0.8 g/min for the manufacturing of films with very good mechanical properties in the blown process.
Polypropylene PPC 2660 is characterized by a low fluidity hence good melt strength to provide ease of processing and good manufactured article properties.
Polypropylene PPC 2660 is suitable particularly for the extrusion of corrugated cardboard, blown film, sheet and pipes and for blow-moulding applications where a very high impact resistance is required.
Polypropylene PPC 2660 is intended for applications requiring high mechanical properties like heavy duty bags, lamination films, retortable food packaging.

General Information	
Features	Good Melt Strength Good Processability Low Flow Ultra High Impact Resistance
Uses	Bags Blow Molding Applications Film Food Packaging Heavy-duty Bags Laminates Packaging Piping Sheet
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Blow Molding Blown Film Film Extrusion Pipe Extrusion Sheet Extrusion

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)	0.80	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	74		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	13	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	40	µm	
Tensile Stress - MD			ISO 527-3
Yield, 30 µm, Blown Film	30.0	MPa	
Break, 40 µm, Blown Film	80.0	MPa	
Tensile Elongation - MD (Break, 40 µm, Blown Film)	600	%	ISO 527-3
Dart Drop Impact (40 µm, Blown Film)	100	g	ISO 7765-1
Elmendorf Tear Strength [1]			ISO 6383-2
MD : 40.0 µm	5.0	kN/m	
TD : 40.0 µm	45.0	kN/m	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m^2	
23°C	> 50	kJ/m^2	
Notched Izod Impact Strength			ISO 180
-20°C	6.0	kJ/m^2	
23°C	> 50	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	88.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (40.0 µm, Blown Film)	14		ASTM D2457
Haze (40.0 µm, Blown Film)	41	%	ISO 14782
NOTE			
1.	Blown Film		

Recommended distributors for this material

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